Husqvarna VIKING®

User's Guide

Huskylock 936

KEEPING THE WORLD SEWING™

This householdsewing machine is designed to comply with IEC/EN 60335-2-28 and UL 1594

IMPORTANT SAFETY INSTRUCTIONS

When using an electrical appliance, basic safety precautions should always be followed, including the following:
Read all instructions before using this household sewing machine.

DANGER - To reduce the risk of electric shock:

- A sewing machine should never be left unattended when plugged in. Always unplug this sewing machine from the electric outlet immediately after using and before cleaning.
- Always unplug before relamping. Replace bulb with same type rated 5 Watt.

WARNING - To reduce the risk of burns, fire, electric shock, or injury to persons:

- This sewing machine is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the sewing machine by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the sewing machine.
- Use this sewing machine only for its intended use as described in this manual. Use only attachments recommended by the manufacturer as contained in this manual.
- Never operate this sewing machine if it has a damaged cord or plug, if it is not working properly, if it has been dropped or damaged, or dropped into water. Return the sewing machine to the nearest authorized dealer or service center for examination, repair, electrical or mechanical adjustment.
- Never operate the sewing machine with any air openings blocked. Keep ventilation openings of the sewing machine and foot controller free from the accumulation of lint, dust, and loose cloth.
- Keep fingers away from all moving parts. Special care is required around the sewing machine needle.
- Always use the proper needle plate. The wrong plate can cause the needle to break.
- Do not use bent needles.
- Do not pull or push fabric while stitching. It may deflect the needle causing it to break.
- Switch the sewing machine off (“0”) when making any adjustment in the needle area, such as threading needle, changing needle, threading bobbin, or changing presser foot, etc.
- Always unplug sewing machine from the electrical outlet when removing covers, lubricating, or when making any other user servicing adjustments mentioned in the instruction manual.
- Never drop or insert any object into any opening.
- Do not use outdoors.
- Do not operate where aerosol (spray) products are being used or where oxygen is being administered.
- To disconnect, turn all controls to the off (“0”) position, then remove plug from outlet.
- Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
- Keep fingers away from moving parts, especially the area near the blades.

SAVE THESE INSTRUCTIONS

For the USA and Canada

This sewing machine has a polarized plug (one blade wider than the other). To reduce the risk of electric shock, this plug is intended to fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not modify the plug in any way.

Please note that on disposal, this product must be safely recycled in accordance with relevant National legislation relating to electrical/electronic products. If in doubt please contact your retailer for guidance.

Table of contents

1. SUMMARY 1
1 - 1. Name of parts 1
1 - 2. Accessories 2
1 - 3. Preparation ..... 3~4
1 - 4. Sewing speed 5
1 - 5. Telescopic thread stand 5
1 - 6. Replacing the needle 6
1 - 7. Changing threads 7
1 - 8. Stitch finger lever 8
1 - 9. Presser foot lift 8
1-10. Disengaging the upper cutter 8
1-11. Free arm 8

2. SEWING ADVISOR DISPLAY GUIDE 9
2 - 1. Selection buttons 9
2 - 2. Sewing Advisor display function 10
2 - 3. Choice of language 11
2 - 4. Auto Mode ..... 11~12
2 - 5. Manual Mode 12
2 - 6. Memory Mode ..... 13~14
2 - 7. Stitch table 15
2 - 8. Table of fabric type 15
2 - 9. Error messages 15

3. THREADING 16
3 - 1. Upper looper threading (A) 16
3 - 2. Lower looper threading (B) 17
3 - 3. Needle threading (C) (D) 18
3 - 4. Preparations and control 19
3 - 5. Presser foot pressure 19
3 - 6. Thread tension table 19
3 - 7. Thread tension ..... 20~21
3 - 8. Adjusting the stitch width / cutting width 22
3 - 9. Stitch length 23
3-10. Differential feed ..... 23~24

4. SEWING 25
4 - 1. Four thread overlock stitch with 2 needles 25
Before sewing 25
Insert the fabric 25
Start sewing and chain off ..... 25~26
Cording thread / Decorative thread 27
Serging curves 28
4 - 2. Three thread overlock ..... 29~30
4 - 3. Two thread overlock 31
4 - 4. Stitch selection table two-thread sewing 32
4 - 5. Rolled edge ..... 33~34
4 - 6. Flatlock 35
4 - 7. Pin tuck 36
4 - 8. Five thread overlock stitch and Double chain stitch ..... 37~39
4 - 9. Cover stitch ..... 40~48

5. MAINTENANCE 49
5 - 1. Changing the light bulb 49
5 - 2. Cleaning after sewing 50
5 - 3. Storage 50
5 - 4. Replacing the lower cutter 50
5 - 5. Lubrication 50

6. STITCH TABLE ..... 51~54

7. TABLE OF SEWING MATERIALS, NEEDLES AND THREADS 55

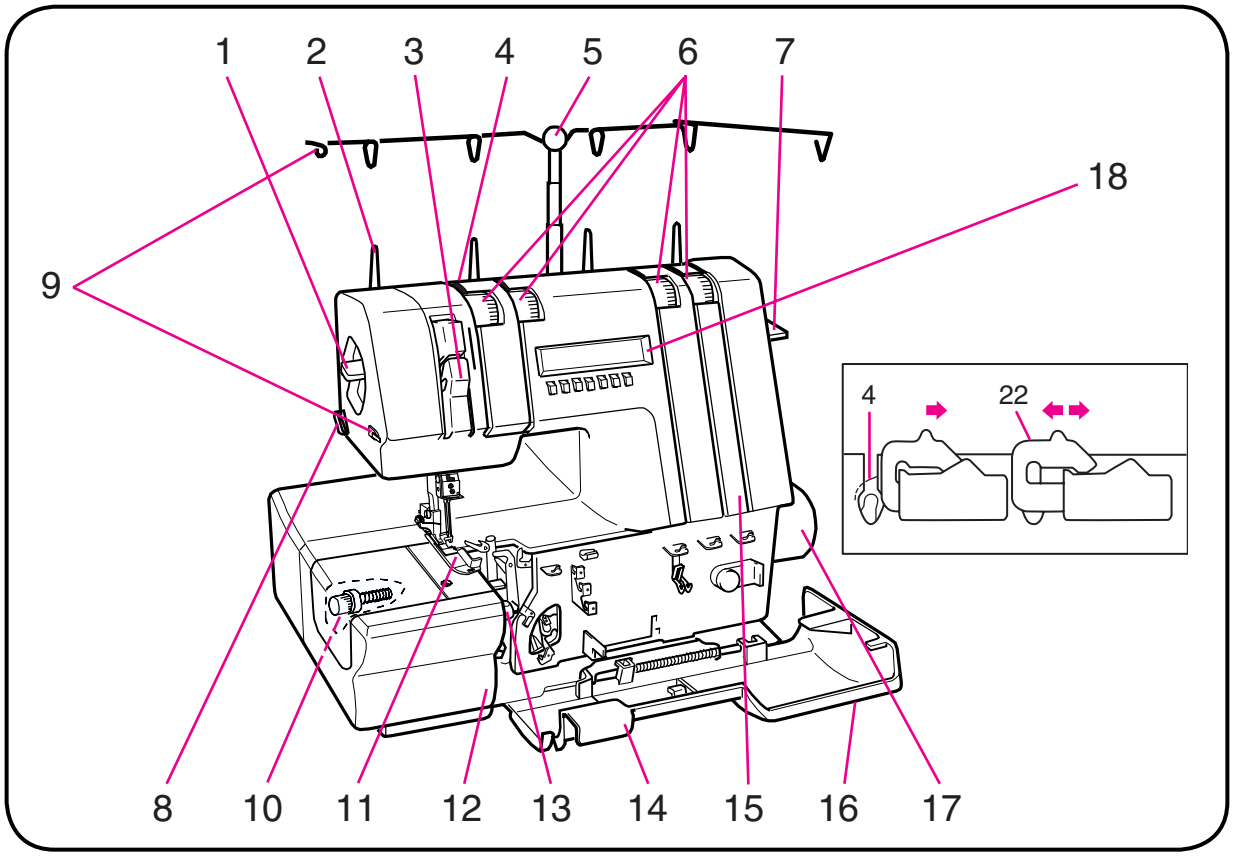
8. TROUBLE SHOOTING 56

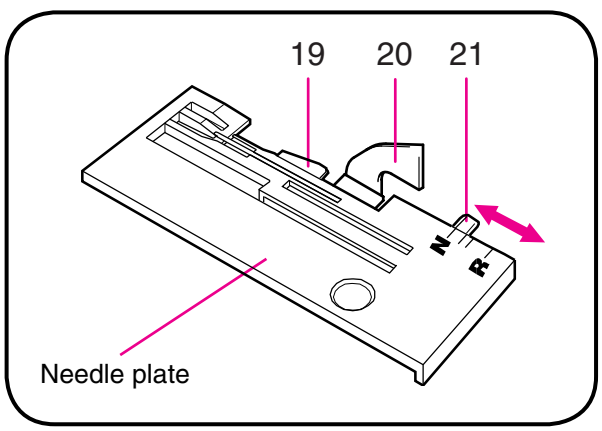
9. SPECIFICATIONS 57

10. OPTIONAL ACCESSORIES 58
10-1. Presser feet-optional accessories ..... 58~66
10-2. Waste tray 67

11. NOTE ..... 68~71

12. INDEX 72



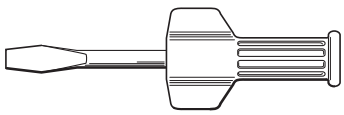
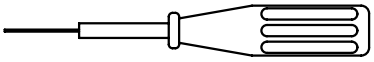
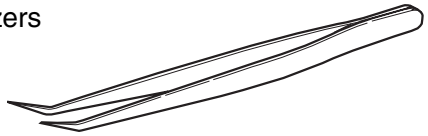
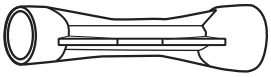
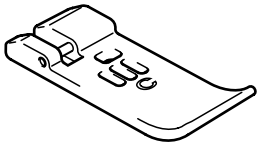
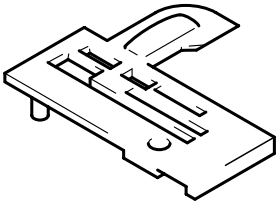
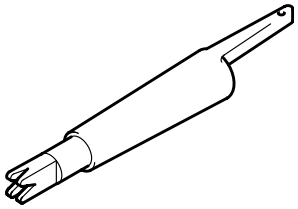
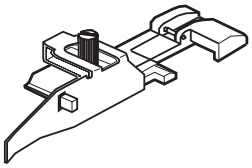
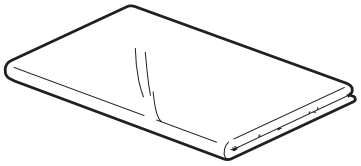
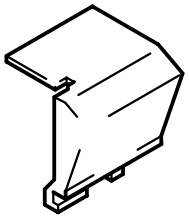
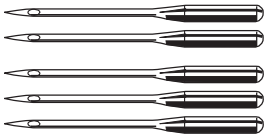
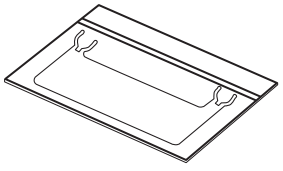
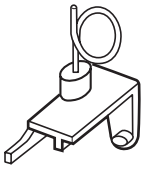


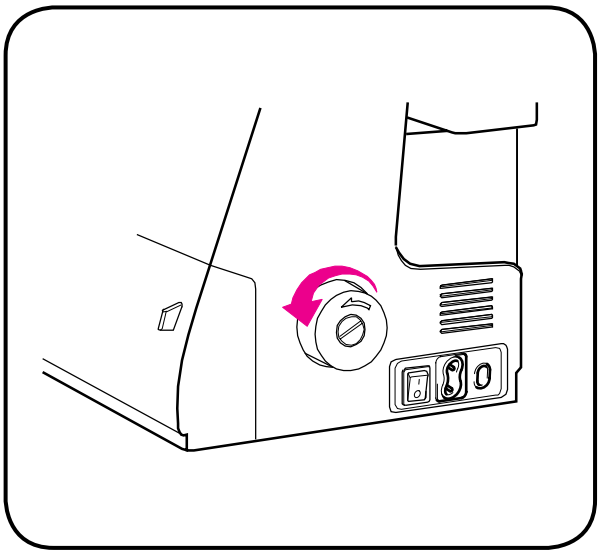
1. SUMMARY

1-1. Name of parts

1. Presser foot pressure adjustment dial
2. Spool pin
3. Thread take-up lever cover
4. Thread guides
5. Telescopic thread stand
6. Thread tension dials
7. Presser foot lift lever
8. Thread cutter
9. Thread guides ***A*** for decorative thread / cording thread
10. Upper cutter knob
11. Presser foot
12. Sewing surface, flat bed cover
13. Cutting width / stitch width adjusting dial
14. Cutter cover
15. Front panel
16. Front cover
17. Handwheel
18. Sewing Advisor™ liquid crystal display (LCD)
19. Stitch finger
20. Upper cutter
21. Stitch finger lever
22. Thread guides ***B*** for decorative thread

1-2. Accessories

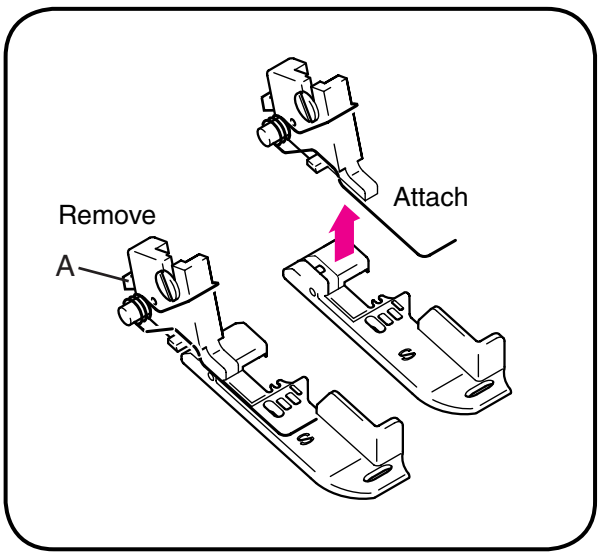
Screw driver 	Oiler
Allen wrench (1.5mm) 	Tweezers 
Cleaning brush	Spool holder
Light bulb changer 	Presser foot (C) for Cover stitch 
Needle plate (C) for Cover stitch and double chain stitch 	Needle threader 
Multipurpose foot 	Vinyl cover 
Net for thread spools	Cutter cover (C) for Cover stitch and double chain stitch 
Needles (SCHMETZ 130/705H)  #80 #90	Waste tray 	By pass for thread guide E 



1-3. Preparation

Handwheel

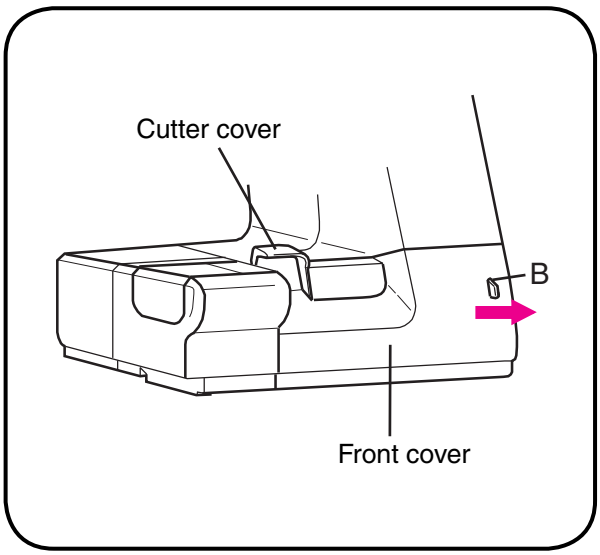
Always turn handwheel toward you.



Change the presser foot

Turn the main power switch off.
(See page 4)

1. Raise presser foot.
2. Raise needle to its highest position by turning the handwheel toward you.
3. Push button (A) and the foot will come off.
4. Position the new foot with the pin beneath the groove of the ankle. Lower the presser foot lever to mark the ankle snap on to the presser foot.



Open the front cover

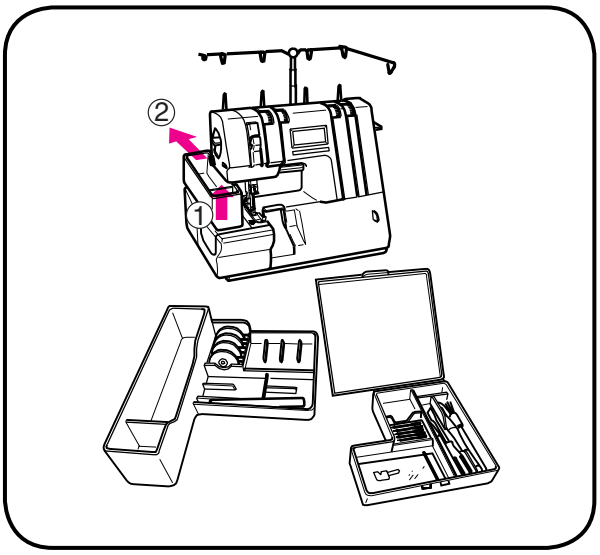
Push part (B) - at the arrow - to the right and pull the cover down toward you.

Close the front cover

Close the cover with caution. The front cover must be closed while sewing. The front cover has a safety switch. If the front cover is not closed, the machine will not sew.

Accessory box

Lift the accessory box slightly ① and slide it in the direction of the arrow ②.

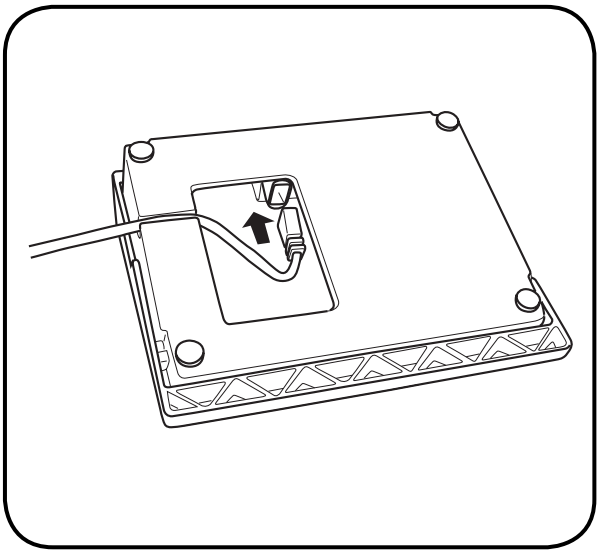


The accessory box consists of two parts. It holds the foot control and other accessories. To slide the box back on, reverse the steps from above.

Connection

Note: Turn the main power switch off.
Among the accessories you will find the foot control cord and the main cord.

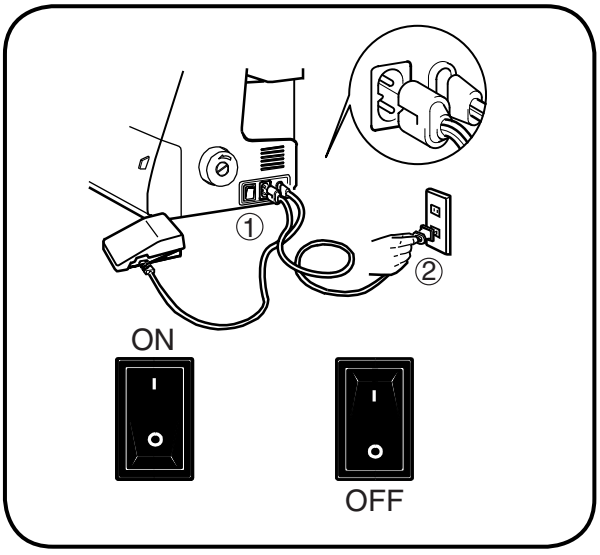
1. Place the foot control on its narrow side. Fit the plug into the socket inside the foot control compartment.
2. Push it firmly to make sure it is properly connected. This operation only necessary the very first time you are going to use the machine.
3. To correctly turn away the cord, place it into the slot, see picture.

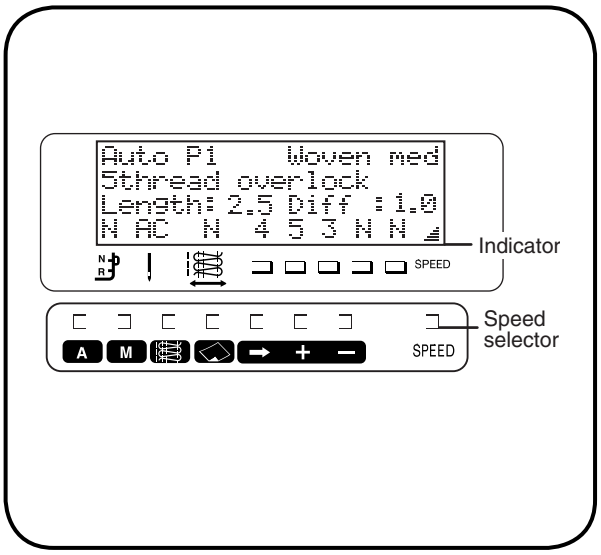


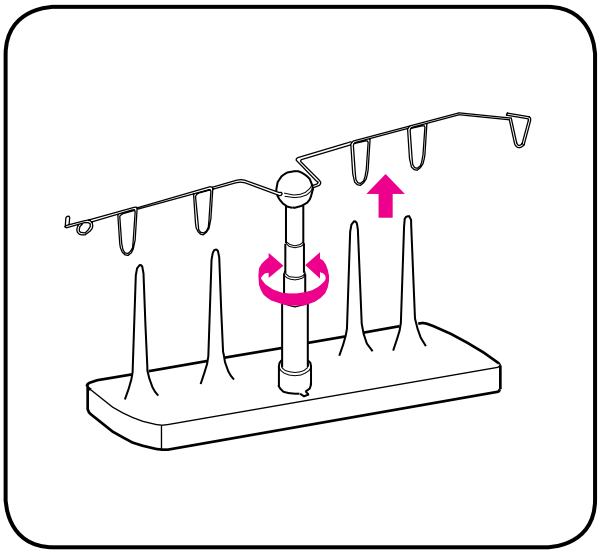
Note: Before plugging in, check to ensure that the foot control is of “FR-4”.

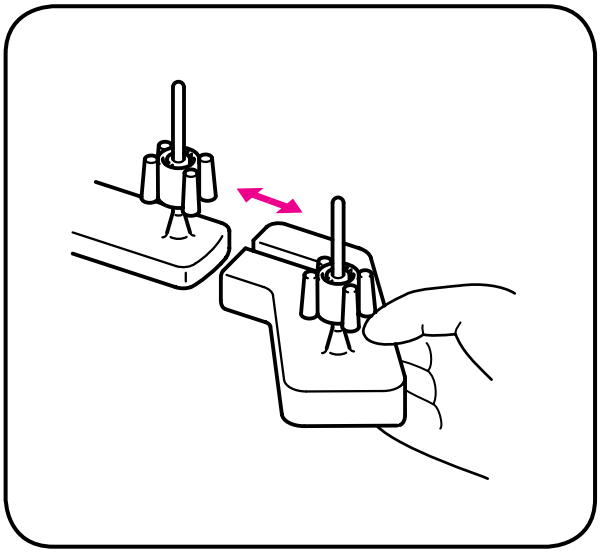
On the back of the machine, there is information about the voltage. Before plugging in your machine, make sure that these values correspond to power supply. The specifications vary from country to country.
Connect foot control and power cord ① ②.
When pressing the main switch, both machine and sewing light are turned on.

- Always turn off and unplug the machine when not in use.
- When the power switch is turned off, the machine will not start even if you press the foot control.
- Never leave anything on the foot control.









1-4. Sewing speed

The harder you press the foot control, the faster the machine will sew. You can choose between three sewing speeds, (slow, medium, fast) with the speed selector.

When you turn on the machine, the medium speed mode is selected. Indicated symbol and maximum speed modes are as follows:

◢ :0-500 Slow speed mode
(max. speed 500 stitches/min)

◢ :0-1000 Medium speed mode
(max. speed 1000 stitches/min)

◢ :0-1300 Fast speed mode
(max. speed 1300 stitches/min)

Note: While “Chain stitch”, “Cover stitch wide”, “Cover stitch narrow” and “Triple cover stitch” are selected, the maximum speed mode is limited to slow and medium only.

1-5. Telescopic thread stand

Extend the telescopic thread stand to its full height and turn until it locks against the stop. Make sure the round loop is to the left.

1-6. Replacing the needle

⚠ Turn the main power switch off.

1. Turn the handwheel toward you (counterclockwise) by hand until the needle is in its highest position.
2. Insert the needle into the opposite side needle hole of Needle threader.
3. Loosen the needle set screw with allenwrench and remove the needle.
   Please be sure to tighten loosen set screws after removing the needle.

Note: Please use the allenwrench included in the standard accessories for the proper installation.

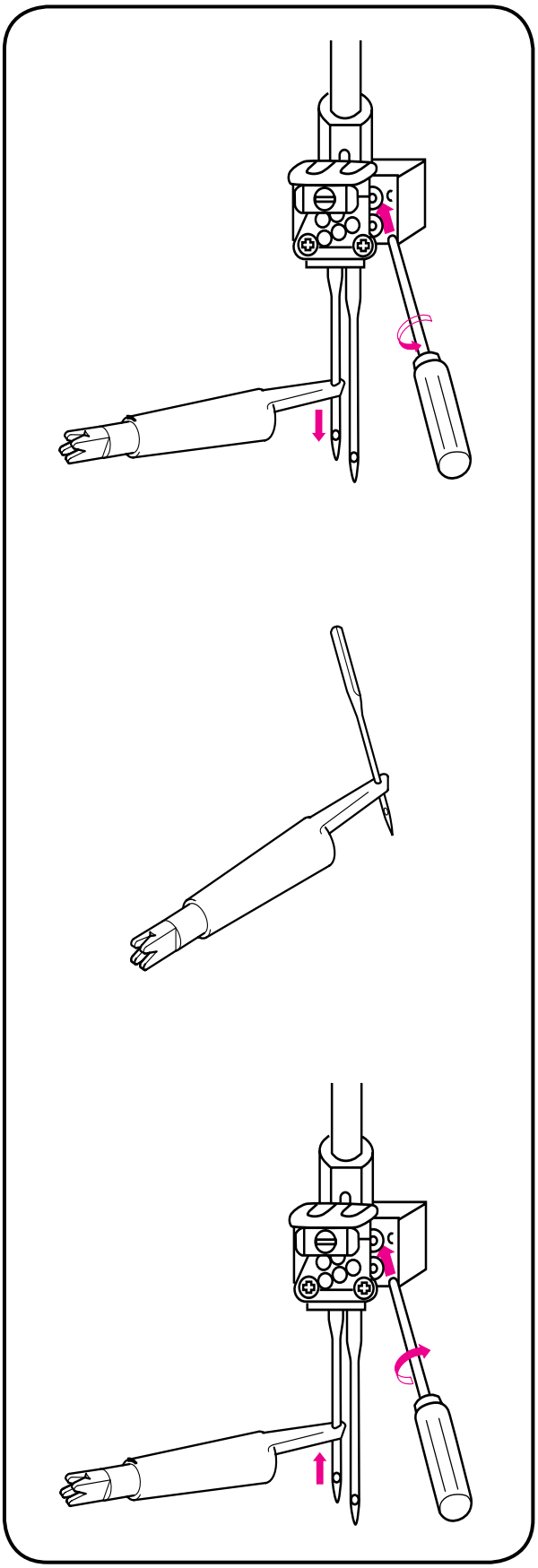
IMPORTANT

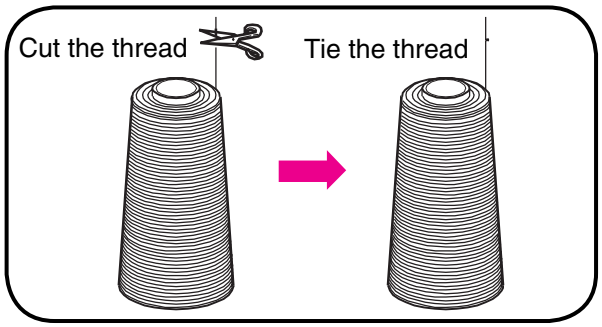
Lightly tighten the screw at the unused needle position, so it does not fall out while sewing.

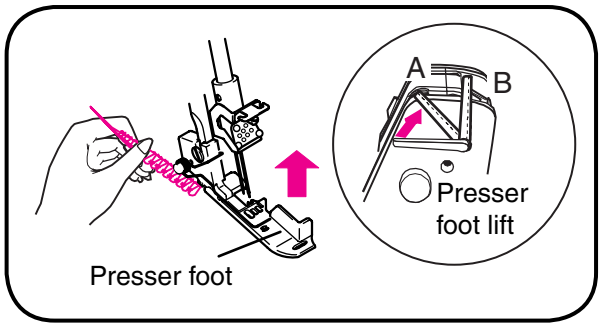
To insert the needle

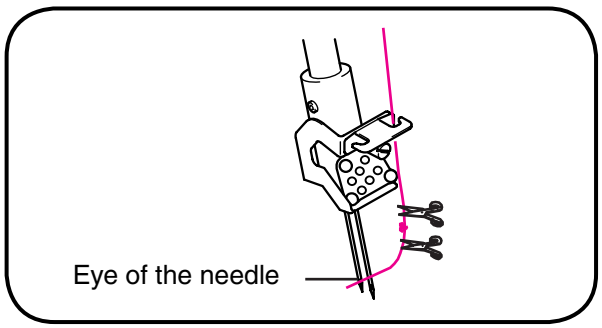
⚠ Turn the main power switch off.

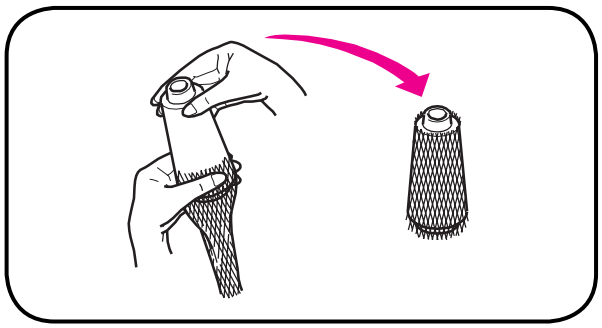
1. Turn the handwheel until the needle bar is in its highest position.
2. Insert the needle into the opposite side needle hole of Needle threader as far as it goes with holding the flat side of needle away from you.
3. Tighten the needle set screw with allenwrench.
4. If a needle does not go up all the way it may be necessary to loosen the adjacent needle screw slightly.

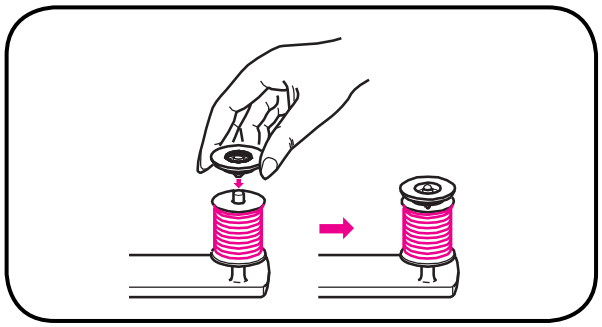












1-7. Changing threads

The machine comes threaded with overlock thread. To change thread follow the easy threading as explained on page 16~18 or to tie on:

1. Cut the thread in use near the thread spool (in front of the telescopic thread stand). Place the new thread spool on the spool pin and tie the thread ends together.
2. Raise the presser foot with the presser foot lift up to release the thread tension, so the knot can easily pass through the thread tension discs.
3. Pull out the looper thread until the thread knot comes about 10 cm (3” to 4”) behind the presser foot.
4. When changing the needle thread, cut the thread knot before it reaches the eye of the needle to avoid bending the needle.

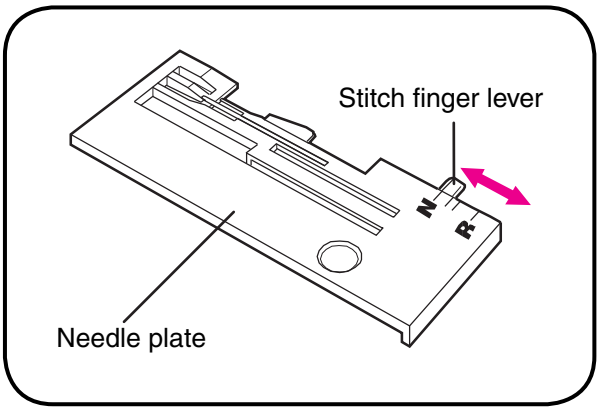
Thread net

In some cases cover the spool with the net to prevent threads from slipping off the spool. Slide on the net so that it covers the spool entirely.

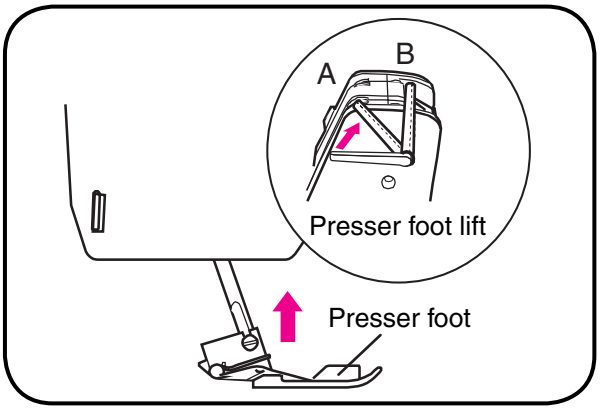
Spool holder

When using standard thread spools, place the spool holders as shown to hold spool in place. And prevent thread from getting caught on edge of spool.

1-8. Stitch finger lever
(Convert from overlock stitch to rolled edge)
Raise the needle to its highest position by turning the handwheel toward you.
Overlock
Push the stitch finger lever to align it with “N” on the needle plate.
Rolled edge
Pull the stitch finger lever toward you to align it with “R” on the needle plate.

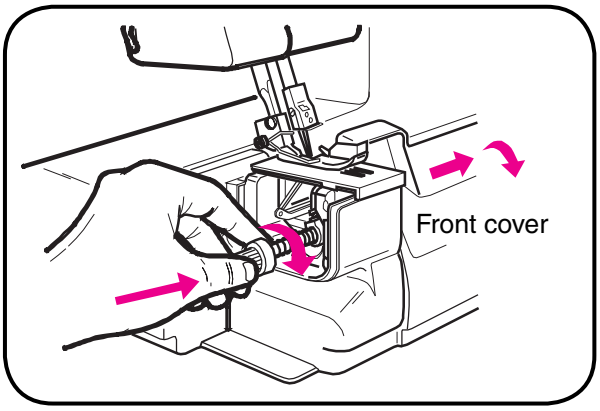


1-9. Presser foot lift
Lift up the presser foot lift to raise the presser foot. The presser foot lift stops at position “A”. When replacing the presser foot or when inserting very thick fabrics under the presser foot, the lift height can be increased by pushing the presser foot lift to position “B” and holding it there. Make sure that the upper looper is in its lowest position.
Note: Never sew with the presser foot up.

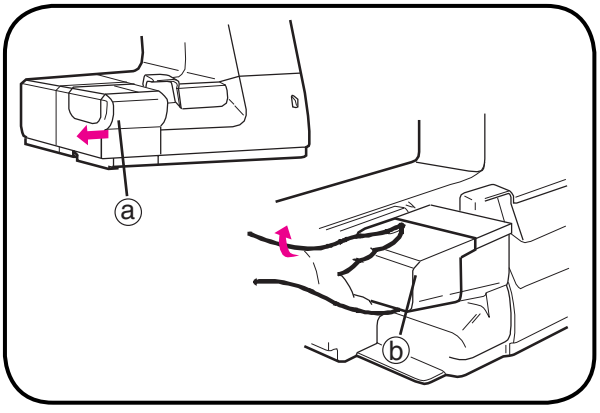


1-10. Disengaging the upper cutter
For Cover stitch or to sew along the edge of the fabric, the upper cutter can be disengaged.
1. Remove the flat bed cover ***a*** and the free arm cover ***b*** pulling the respective cover in the direction of the arrow.
2. Open the front cover.
3. Push the knob to its maximum point and turn the knob to lower according to the arrow. Since the cutter is sharp, be careful when disengaging it.
4. Replace free arm and flat bed cover .

Note: Be sure to put the cutter fully down before sewing.
Note: You must sew along the edge of the fabric when the cutter is disengaged or set for Cover stitch.



1-11. Free arm
Pull out the flat bed cover ***a*** in the direction of the arrow. The free arm is convenient for sewing trousers legs, cuffs, and other small areas such as children’s garments.
How to remove the free arm:
Hold the free arm cover ***b*** as shown in the picture.
1. Lift it up to release the clamps.
2. Pull it to the left.



2. SEWING ADVISOR DISPLAY GUIDE

2-1. Selection buttons

The buttons below can either be pressed one step at a time or held until the desired setting is obtained.

1. A : Auto button

Press for **Auto Mode**. Standard settings are displayed.

2. M : Memory button

Press to retrieve stored settings or store new setting preference in memory.

3. : Stitch selection button

Retrieve the 16 pre-set stitches in **Auto Mode**.

4. : Fabric selection button

Select fabric type in **Auto Mode**.

5. : Cursor button

Access **Manual Mode** to enter and or alter settings.

Cursor moves as follows:

Stitch length - Differential feed ratio - Cutting width(if applicable) - Thread tension

6.-7. + − : Plus(+) and Minus(-) button

In **Manual Mode**, settings increase(+) or decrease(-).

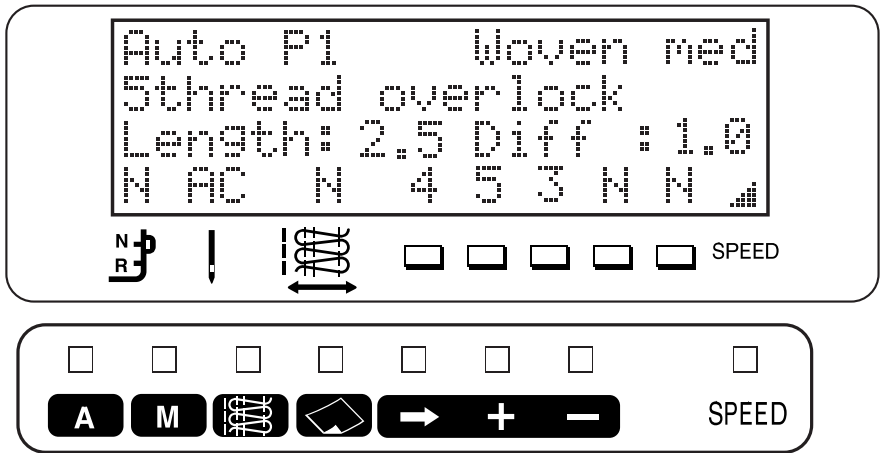
In **Memory Mode**, cursor moves to stored memories.

8. SPEED : Speed selection button

Select maximum speed mode. Refer to "**1-4. Sewing speed** (page 5)".

9. Sewing Advisor display

All stitch settings can be shown in the display.



2-2. Sewing Advisor display function

Mode and stitch number :

Mode and pre-set stitch are displayed.

Memory number :

In **Memory Mode**, stored memory number is displayed.

Fabric :

Fabric type is displayed.

Stitch :

Stitch description is displayed.

Stitch length :

The recommended stitch length is displayed.

Differential feed ratio :

Standard ratio is displayed.

Stitch finger position :

Recommended position is displayed which corresponds to marking on the needle plate.

Needle position :

Recommended needle position is displayed which corresponds to marking on the needle clamp.

Cutting width :

The recommended cutting width is displayed.

When marking ⌜↓⌟ apperas on the Sewing Advisor, it means to lower the upper cutter.

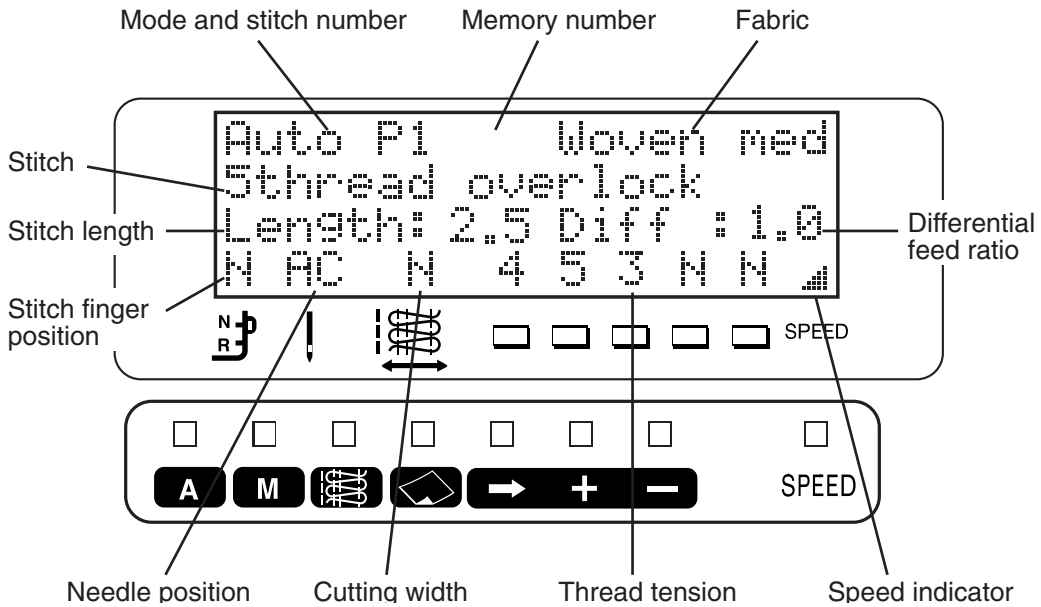
Thread tension :

The recommended thread tension is displayed.

Each thread tension dial corresponds to color symbols from left to right.

Speed indicator :

Selected maximum speed mode is displayed. Refer to "**1-4. Sewing speed** (page 5)".



2-3. Choice of language

You can select the following languages :

American English, British English, French, Italian, German, Swedish, Norwegian, Danish, Finnish, Dutch, Spanish, Czech, Polish, and Russian.

Select the language as follows:

1. Turn on the machine while pressing the auto button A and cursor button → simultaneously. The pre-set language is displayed.
2. Press the plus button + or minus button − until the desired language is displayed.
3. Press the memory button M .
4. The selected language is now stored and stays in memory even if you turn off the machine.

2-4. Auto Mode

The recommended settings are displayed for perfect stitching.

Note: Fabric and thread may vary. Therefore try the setting on scraps first.

(1) Stitch selection

Turn on the machine, then "**Auto A1**" type of fabric "**Woven med**" (for woven medium) and stitch "**4-thread overlock**" appears.

Change the stitch by pressing the stitch selection button .

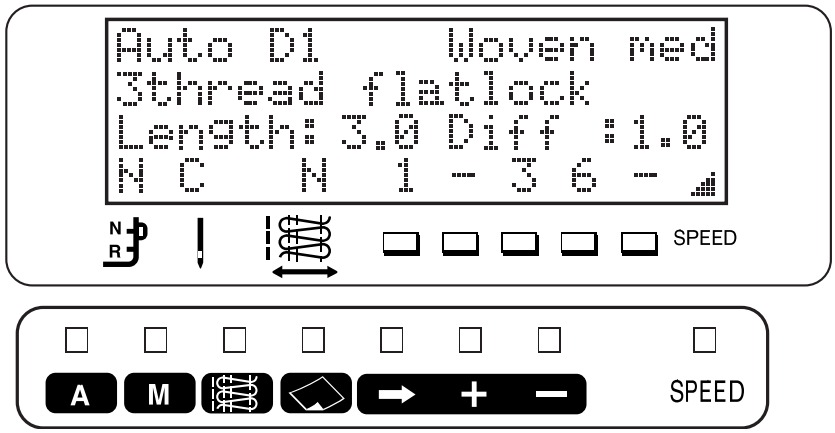
Each time you press the button , the recommended settings are displayed.

Compare with "**2-7. Stitch table** (page 15)" and continue pressing the stitch selection button until the desired stitch is displayed.

When the display shows "—" for the thread tension, it means "**Do not thread here**".

Note: When it is necessary to change the accessory type, the accessory alert message is displayed. To cancel this message, press the auto button A. For accessory type, see "**4. Sewing** (page 25)".

Example: If you press the stitch selection button 3 times, the following will be displayed:



(2) Selection of fabric

Select the fabric type with the fabric selection button .

The recommended setting then appears on the **Sewing Advisor**.

The message "**Not advised**" appears when the setting is not recommended.

See "**2-8. Table of fabric type** (page 15)".

Set up your **Huskylock™** as advised by the **Sewing Advisor**.

The machine is now ready for sewing.

Note: Fabric and thread may vary. Always test sew before starting on your garments.

Note: The stitch length and the differential ratio are adjusted automatically in accordance with the displayed numbers.

2-5. Manual Mode

Manual Mode allows you to alter the auto setting. Your own setting can be stored in **Memory Mode.** See below.

Manual setting as follows :

1. Enter **Manual Mode** by pressing the cursor button .
2. The changeable number starts to blink.
3. Move by means of the cursor button to the number to be changed.
4. Selected number can be altered by pressing plus or minus button .
5. Continue pressing these buttons until the desired numbers appear.
6. To save this setting, store it in **Memory Mode**.

Note: The stitch length and the differential ratio are adjusted automatically in accordance with the displayed numbers.

The other settings may be adjusted with each dial or knob.

2-6. Memory Mode

After making new settings in **Manual Mode**, you can store your settings or retrieve them in this mode.

(1) Store new setting in memory

After changing the settings in **Manual Mode**, press memory button M and then memory number blinks. If the blinking memory number is used already, the message "**Over write OK?**" appears and blinks.

If you want to overwrite, press the memory button M again.

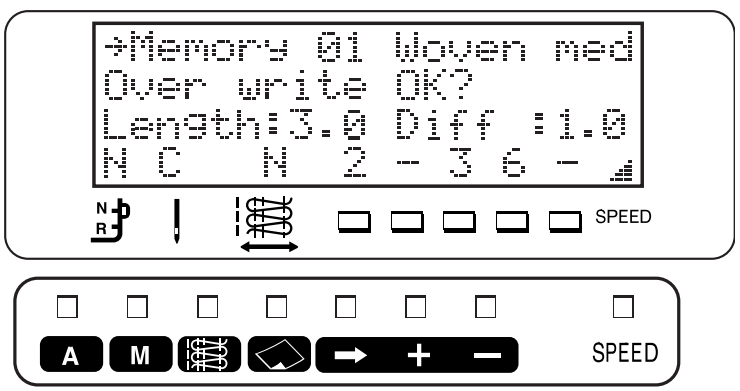
If you do not want to overwrite, press plus or minus button + − until you reach an empty memory.

When the memory is empty, the message "**Memory empty**" appears and blinks.

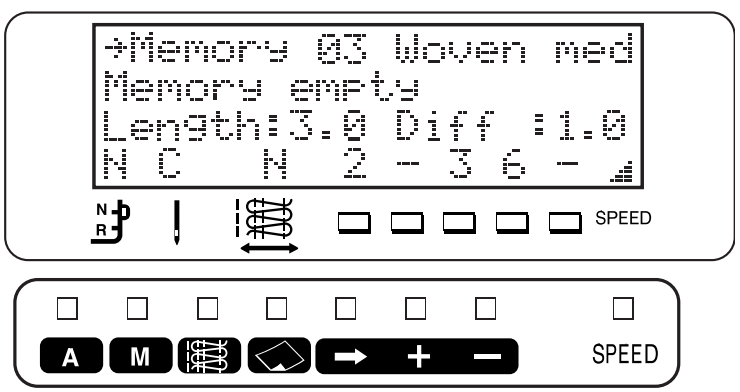
Press memory button M to store.

If you do not want to overwrite or store, press the auto button A to leave **Memory Mode**.

Example: Memory number 01 is full.



Example: Press plus button + twice and memory number 03, which is empty, will be displayed.



Note: There are 50 memories available. On the last page of this instruction book, there is space for your notes about what you have stored.

(2) Retrieve from memory

When turning the machine on, the recommended standard settings are displayed.

Press memory button M . Now " ←**Memory**" appears with the last setting you made before turning off the machine.

Select the memory you want to use by pressing plus or minus button + −.

(3) Delete from memory

Press the memory button M. Now " ←**Memory**" appears with the last setting you made before turning off the machine.

Select the memory you wish to delete by pressing plus or minus button + −.

Then press the stitch selection button and the fabric selection button simultaneously.

Now message "**Memory will clear**" appears and starts to blink.

Note: If you want to cancel the deletion, release both buttons.

Press memory button M while pressing stitch selection button and fabric selection button at the same time to execute the deletion.

The message "**Memory empty**" appears and now the deletion is completed.

Press auto button A for standard setting.

2-7. Stitch table

The following 16 stitches are programmed in the **Husqvarna Viking® Huskylock 936**

CODE	Stitch	Display text
A	4-thread overlock	4thread overlock
B	3-thread wide overlock	3thread wide o/l
C	3-thread narrow overlock	3thread narrow o/l
D	3-thread flatlock	3thread flatlock
E	3-thread rolled edge	3thread rolled edge
F	3-thread narrow rolled edge	3thread narrow edge
G	2-thread wide overlock	2thread wide o/l
H	2-thread narrow overlock	2thread narrow o/l
I	2-thread flatlock	2thread flatlock
J	2-thread rolled edge	2thread rolled edge
K	2-thread narrow rolled edge	2thread narrow edge
L	Chainstitch	Chainstitch
M	Cover stitch wide	Cover stitch wide
N	Cover stitch narrow	Cover stitch narrow
O	Triple cover stitch	Triple cover stitch
P	5-thread overlock	5thread overlock

2-8. Table of fabric type

Code fabric display abbreviations.

CODE	Fabric type	Display text
1	Medium woven	Woven med
2	Heavy woven	Woven hvy
3	Light woven	Woven lt
4	Medium stretch knit	Knit med
5	Heavy stretch knit	Knit hvy
6	Light stretch knit	Knit lt

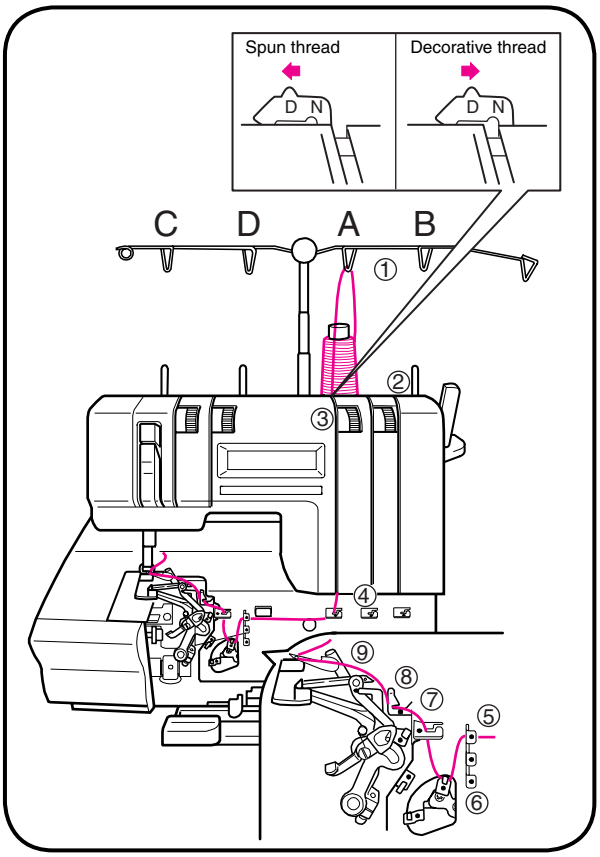
2-9. Error messages

When the following messages are displayed, correct the troubles.

Message	Meanings
Lower presser foot	The presser foot must be down while sewing.
Close front cover	The front cover must be closed while sewing.
Overloaded	Remover fabric, then begin sewing again.
Use other memory	Select another memory.
Call service	No access to memories.

3. THREADING (For four thread overlock stitch)

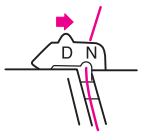
Thread the machine in the following order:
Upper looper (A)
Lower looper (B)
Needles (C,D)



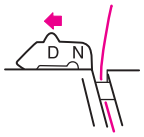
3-1. Upper looper threading (A)

1. Set the upper looper to the highest position by turning the handwheel toward you.
2. Raise the presser foot.
3. Open front cover.
4. Pull thread from spool through guide ① of the thread stand and then through guides ② to ⑨.

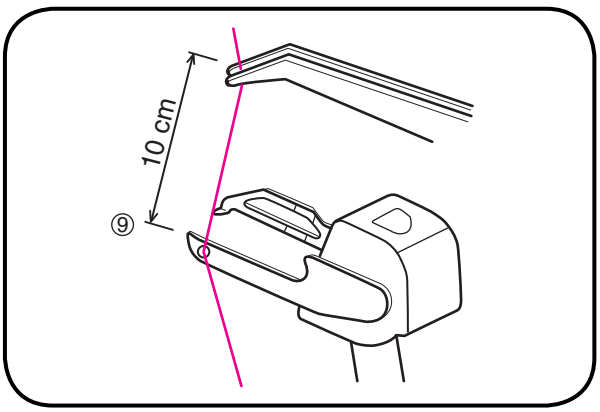
When using decorative thread, move the thread guide for decorative thread (B) to the right(D), then thread through thread guide.



When using regular thread, move the thread guide for decorative thread (B) to the left(N).

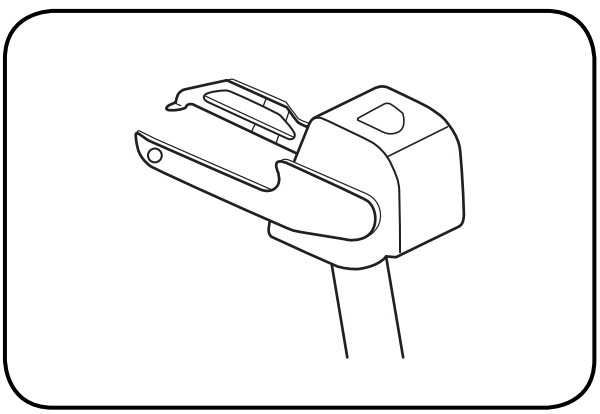


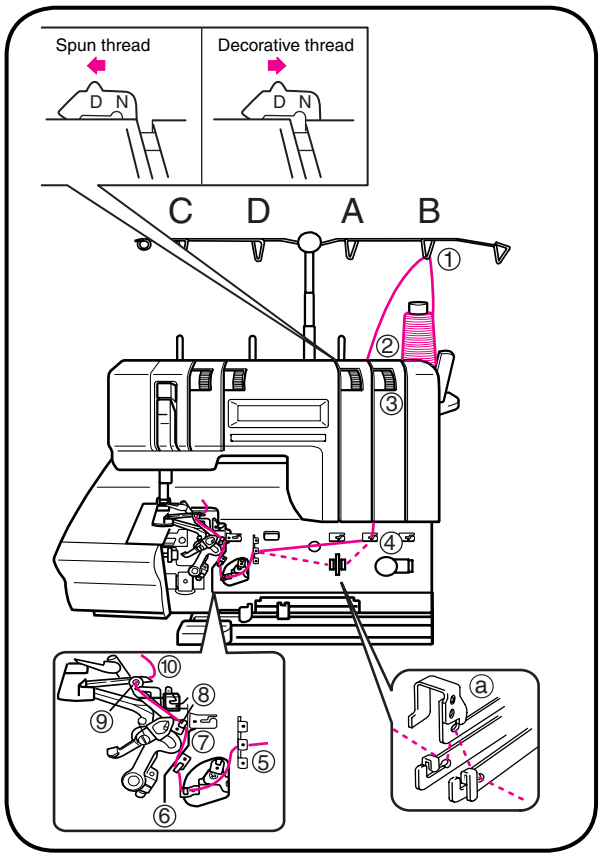
5. Thread the eye ⑨ of the upper looper.
6. Pull a thread tail leaving about 10 cm (3” to 4”) long.



Note:

For all sewing except 2-thread sewing, set the 2-thread converter as illustrated.





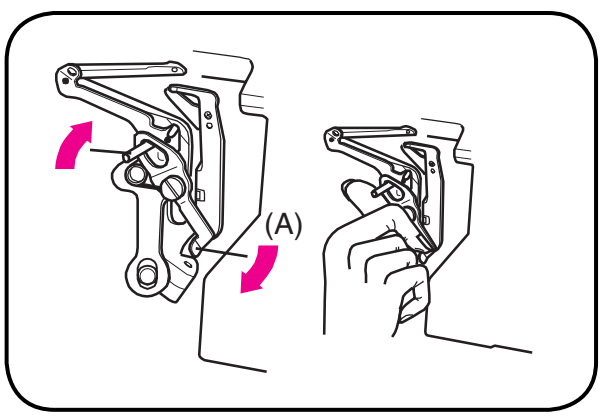
3-2. Lower looper threading (B)

1. Raise the presser foot.
2. Open front cover.
3. Pull thread from spool through guide ① of the thread stand and then through guide ②.

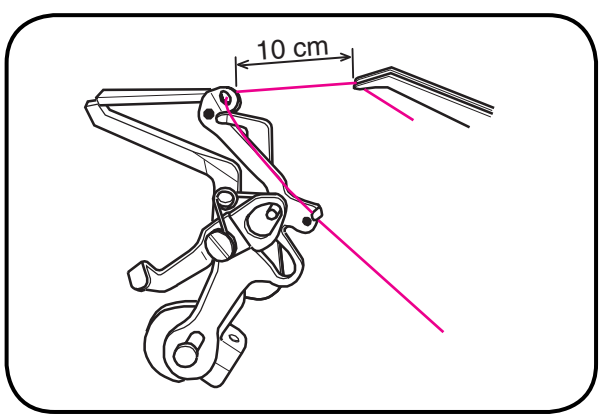
Note: Make sure the thread snaps into the slot of guide ②, and between the thread tensions discs ③.

4. Turn the handwheel toward you and position the lower looper to the far right.
5. Then thread through guides ④ to ⑧.

Note: For best result in sewing narrow edge, thread through guide ***a***.



6. Push lever (A) in the direction of the arrow until the thread holes ⑨ and ⑩ are in lined up each other. Pull the thread through eye ⑨, ⑩ of the lower looper.



7. Leave about 10 cm (4”) of the thread.
8. The lower looper threader automatically returns to its original position by turning the handwheel once toward you.

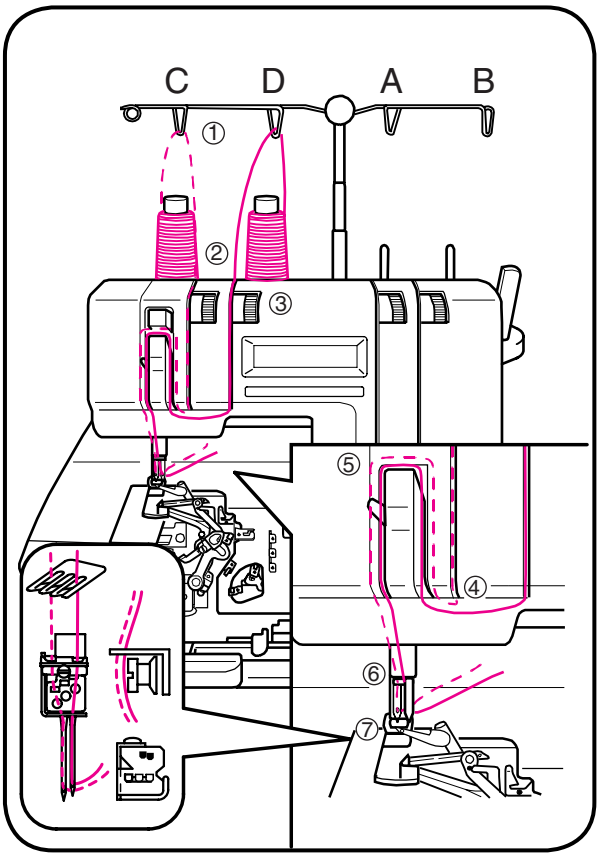
3-3. Needle threading (C) (D)

1. Raise the presser foot.
2. Raise the needle to its highest position by turning the handwheel toward you.
3. Pull thread from spool through guide ①.

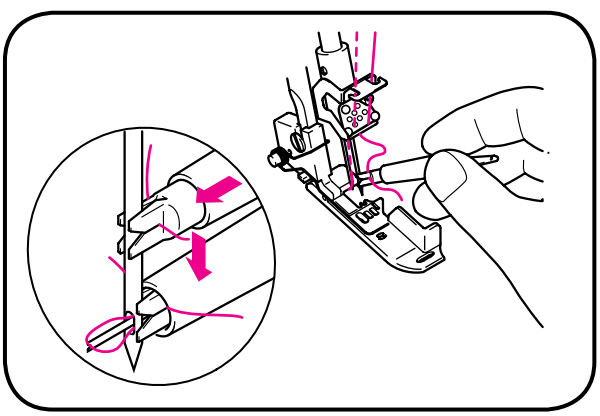
Note: Make sure the thread snaps into the slot of guide ② and between the thread tension discs ③.

4. Pull the thread through guides ④, ⑤, ⑥ for the right needle and through guides ⑤, ⑥ for the left needle.

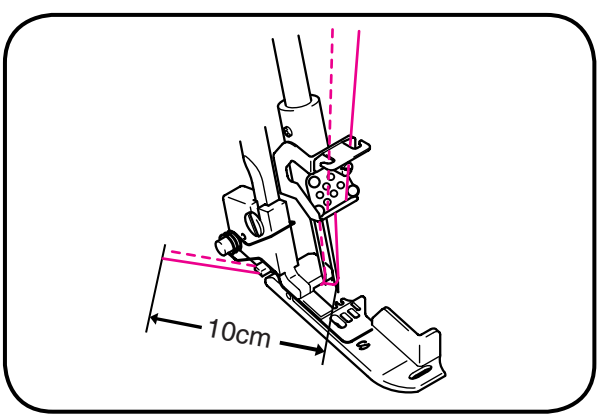
Note: Make sure that right needle thread (D) passes to the right of the guide ⑤ and left needle thread (C) to the left.

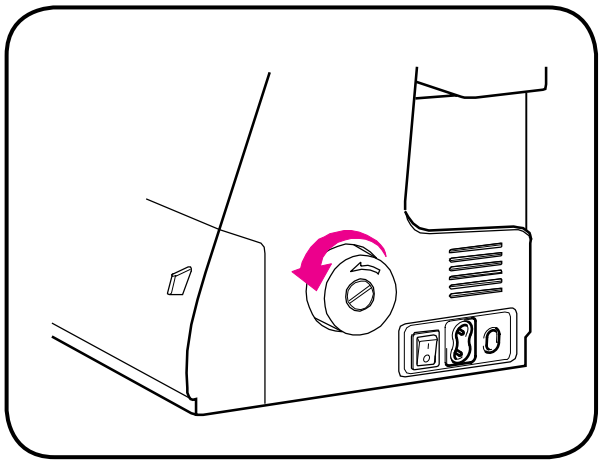


5. Slide the thread into the ditch of needle threader.
6. Hold the needle threader to the needle with the △ mark on top and bottom side. Slide it along the needle to the needle eye. The thread will loop through the eye of the needle.



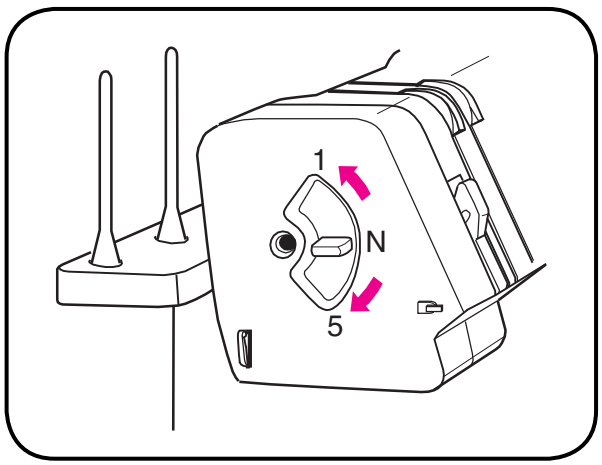
7. Pull the thread through the needle eye ⑦, with tweezers leaving about 10 cm (4”) of thread tail.





3-4. Preparations and control

Check that thread has not slipped off the guides nor has broken. Make sure the upper cutter moves correctly against the lower cutter by slowly turning the handwheel toward you.
Check that there are no pieces of fabric or thread between the cutters. Turn the handwheel toward you and make sure the threads form the stitch on the stitch finger of the needle plate. If not, check threading.
When the machine has been threaded, close the front cover and lower the presser foot.



3-5. Presser foot pressure

You can change the presser foot pressure with the numbered dial on the left side of the machine. Position “N” is for normal fabrics. A lower number is for thin fabrics. A higher number is for thick fabrics.

3-6. Thread tension table

	Left needle	Right needle	Upper looper	Lower looper	Stitch length	Stitch/Cutting width
Overlock	N	N	N	N	2.5-5.0 mm	5-6 mm
Rolled edge	-	N	3	6	1.0-1.5 mm	5-6 mm
Narrow edging	-	N	5	N	1.0-1.5 mm	5-6 mm

The thread tension is only a recommendation according to the chart above.
See recommendation in the Sewing Advisor display.
Since the numbers in the chart are average it may be necessary to adjust the tension somewhat according to different types of fabric and threads.

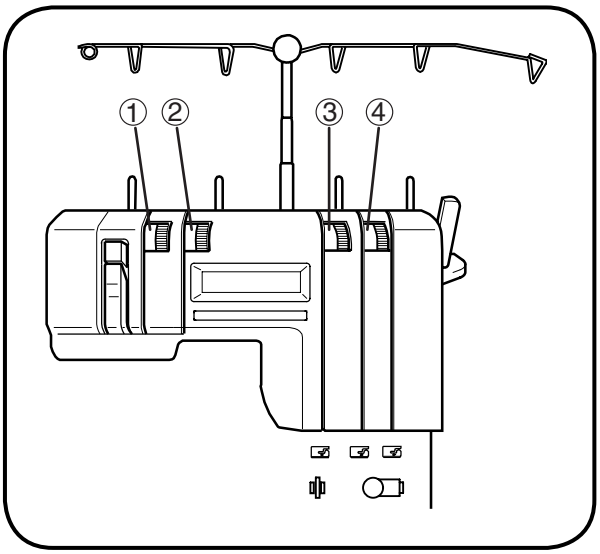
Note: Fabric and thread structure may vary between different weights and types. Therefore try the best setting for your machine.

The differential feed ratio is normally “1.0”.

3-7. Thread tension

Start from normal position. Change and thereafter check one dial at a time until you obtain the desired result. Turn the dial to a higher number to increase tension. Turn the dial to a lower number to decrease tension.

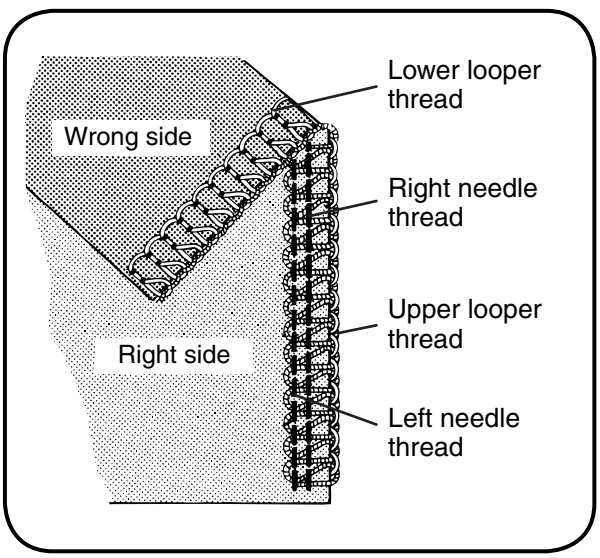
① Left needle thread
② Right needle thread
③ Upper looper thread
④ Lower looper thread



4-thread stitch

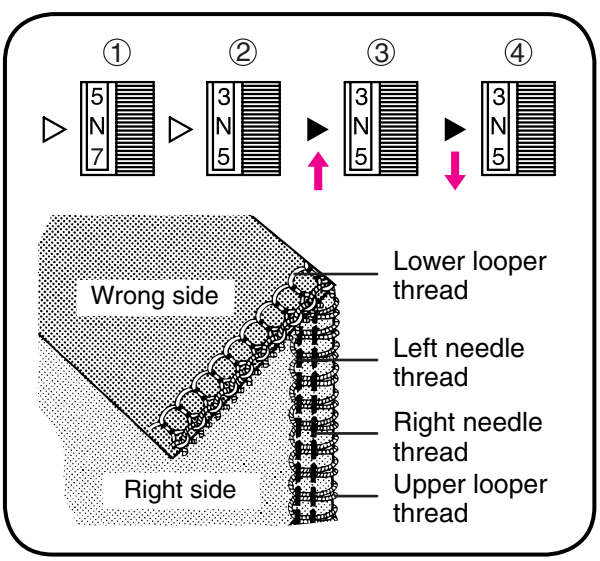
Correct tension

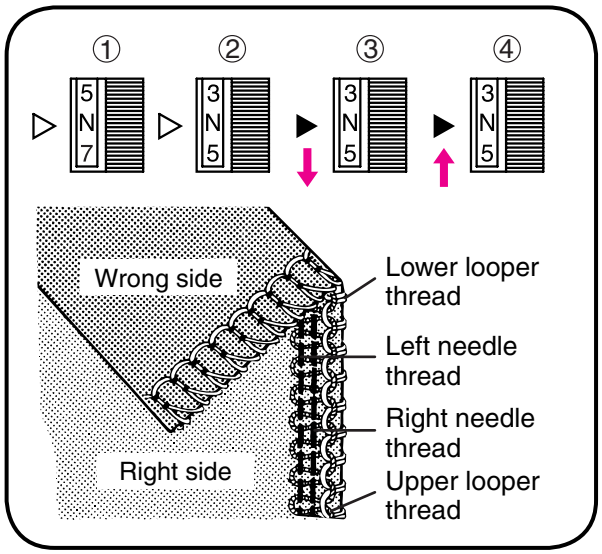
Lower and upper looper threads should be well balanced with the same thread tension (both looper threads should meet at the edge of the fabric). The needle thread should not slacken or be pulled.



Unbalanced upper looper thread is wrapped around and over the back side

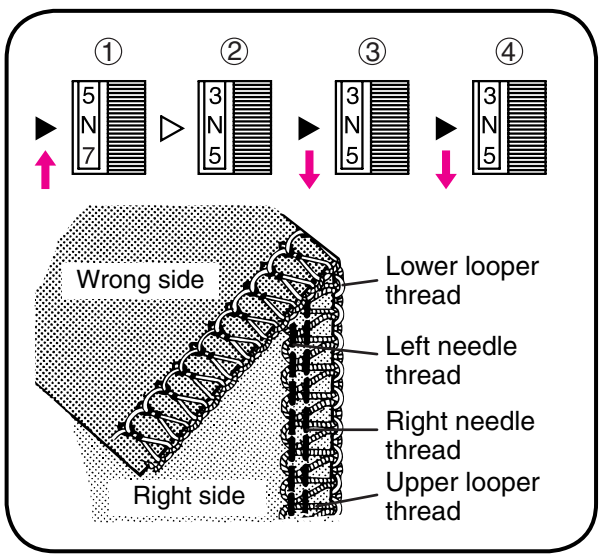
Increase the thread tension of the upper looper (dial ③) or reduce the thread tension of the lower looper thread (dial ④).





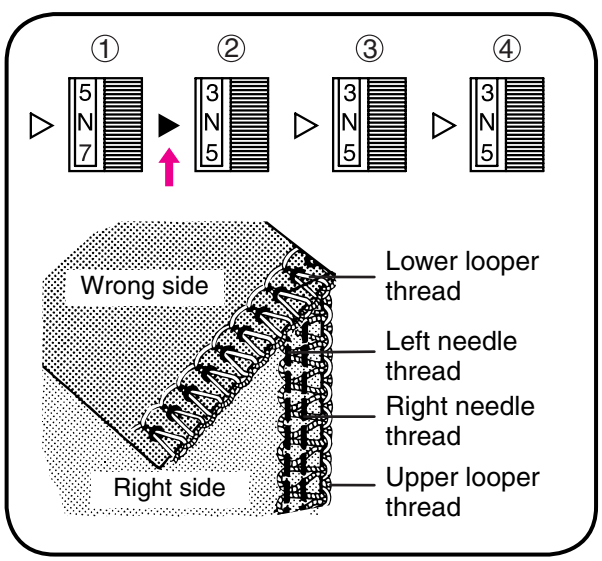
Unbalanced lower thread is wrapped around and over the top side

Increase the thread tension of the lower looper (dial ④) or reduce the thread tension of the upper looper thread (dial ③).



Left needle thread too loose

Increase the thread tension of the left needle dial ① or reduce the thread tension of both looper threads- dial ③ and ④.



Right needle thread too loose

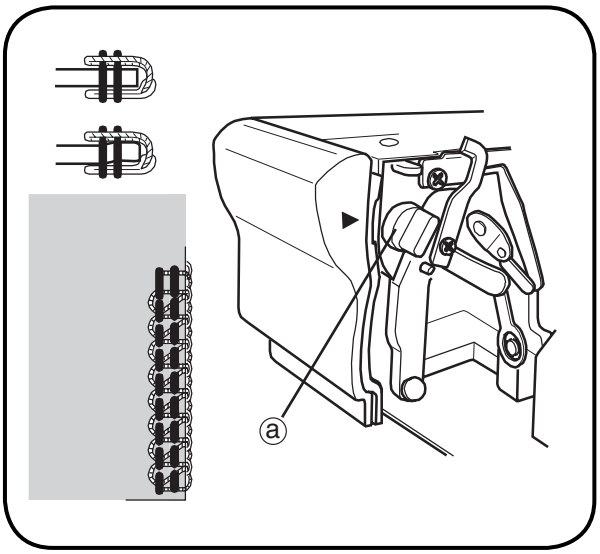
Increase the thread tension of the right needle thread, dial ②.

3-8. Adjusting the stitch width / cutting width

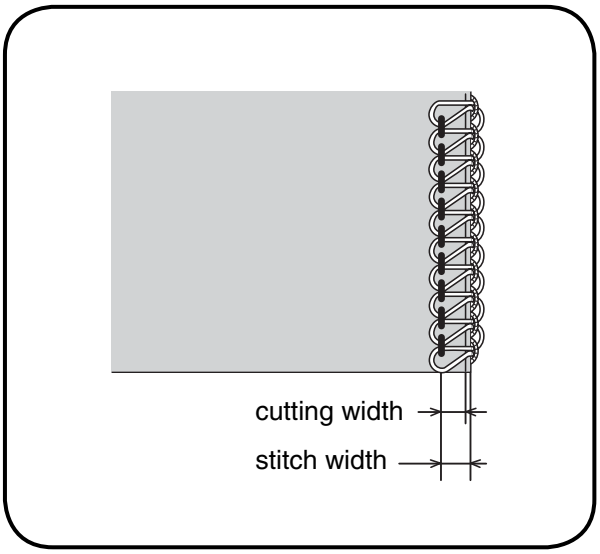
The distance between the needle and the outer edge of the fabric is called stitch width / cutting width.

- The cutting width can be set between 5-7mm depending on the type of fabric.
- Normal stitch width / cutting width is 5.5mm, which corresponds to “N” on the dial.
- Turn dial ***a*** to set the cutting width.

Note: There is an index mark on the machine.

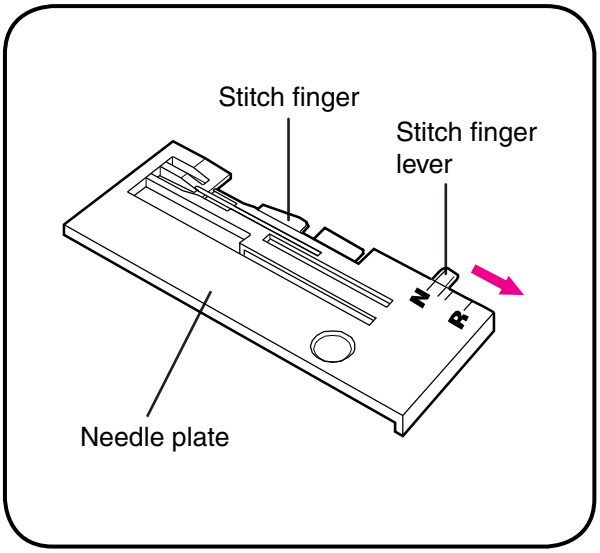


When you experience loops off the edge of the fabric, slide the stitch finger toward you for fine tune width adjustment.



To adjust, move the stitch finger lever toward you from “N” position to the mark —. There are two fine tune settings.

After adjusting, test your stitch.



Model 936 features automatic Stitch length and Differential feed. You can override the automatic settings as follows:

3-9. Stitch length

Normal stitch length is 2.5 mm. You may change the stitch length between 0.8 (for rolled edge) and 5 mm, using the Sewing Advisor's manual function.

Change the stitch length as follows:

1. Press cursor button ➡ until the setting number for the stitch length blinks.
2. Press plus or minus button + − to select the desired length number.
3. Start to sew. The stitch length is adjusted automatically to the number.
4. If you want to store this setting, you can use the memory function.

See "2-5. Manual Mode (page 12)".

3-10. Differential feed

Differential feed helps you to sew perfect seams on all kinds of fabric from light woven to heavy knits.

This **Huskylock** has two feed teeth. The front teeth (for differential feed) can be adjusted to feed more or less in proportion to the rear.

The ratio can be set between 0.5 and 2.5.

For light weight fabrics, set closer to 0.5. The front teeth move slower to hold fabric taut. For heavy weight one, set closer to 2.5. The front feed teeth move faster to prevent distortion and stretching of fabric.

The differential feed also helps to gather woven fabrics.

For maximum gathers, set to 2.5 and increase stitch length.

Change the differential feed as follows:

1. Press cursor button ➡ until the setting number for the differential feed blinks.
2. Press plus or minus button + − until the number becomes to what you want to change.
3. Start to sew. The differential feed is adjusted automatically to the number value.
4. If you want to store this setting, you can use the memory function.

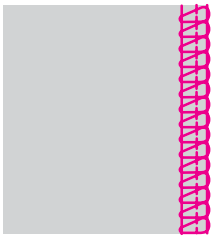
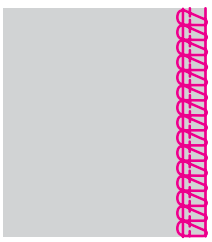
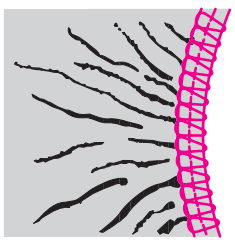
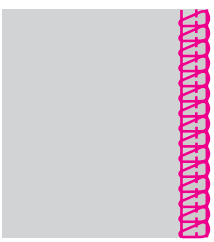
See "2-5. Manual Mode (page 12)".

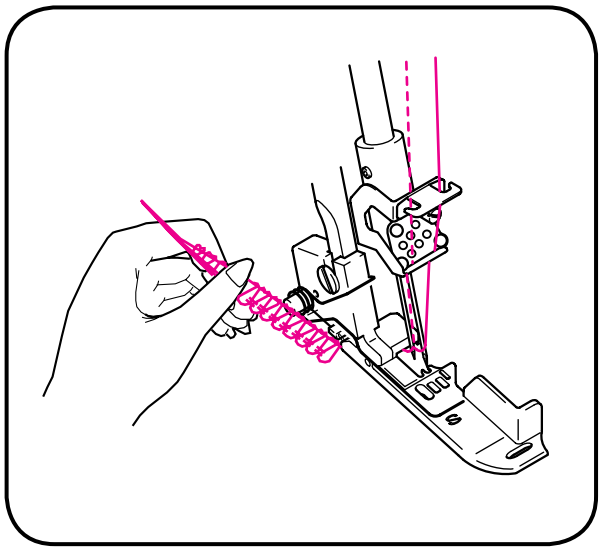
Note: First sew a few test stitches on a piece of fabric you are going to use, referring the chart below.

Note: The differential feed ratio and the stitch length are related to each other. Their minimum and maximum values may be limited by their combinations and selected stitch patterns.

First sew a few test stitches on a piece of fabric you are going to use, referring to the chart below.

Stitch length	Diff	Speed	
		Stitch length × Diff =	
		Min-5.0	5.1-Max
0.8-4	Min. 0.5-Max. 2.5	Low-High	Low-Med
4.5-5	Min. 0.6-Max. 2.0	Low-High	Low-Med

	Fabric	Differential feed “1.0”	Setting	Result
Stretch material	Knit Jersey		1.0-2.5	
Non-stretch material	Normal thick woven fabrics		1.0	
Very thin material	Silk-silky knitwear		0.5-0.9	



4. SEWING

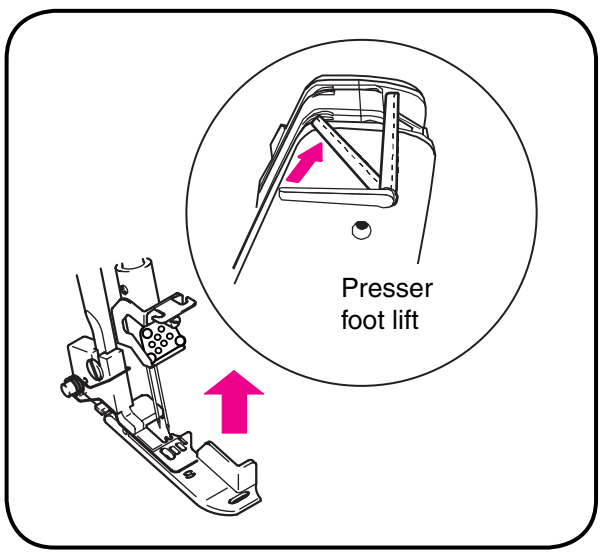
4-1. Four thread overlock stitch with 2 needles

Before sewing

Once you have finished threading, place the four threads under and behind the presser foot. Turn the handwheel toward you 2-3 turns so that the stitches are formed on the stitch finger.

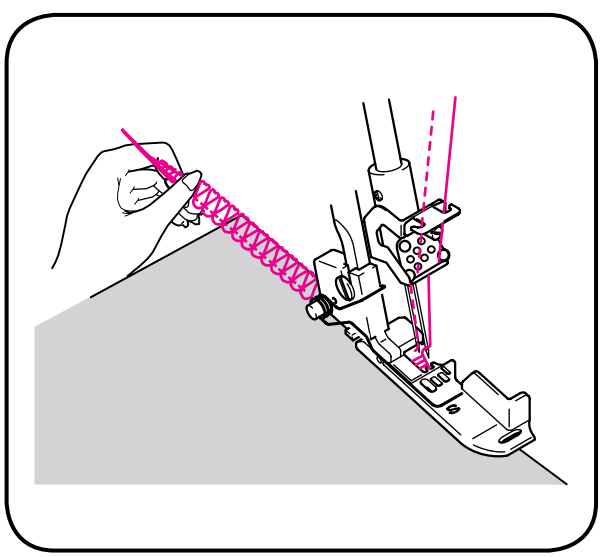
Warning:

Keep fingers away from all moving parts. Special care is required around the sewing area and lower looper. Do not touch light bulb while operating machine as it is hot and may burn your fingers.



Insert the fabric

When you are ready to sew, place the fabric under the front part of the presser foot, the presser foot does not have to be raised. When sewing with very heavy fabrics the extra presser foot lift may be necessary. Place the fabric underneath the foot with the raw edge of the fabric in front of the cutter. Lower the presser foot.



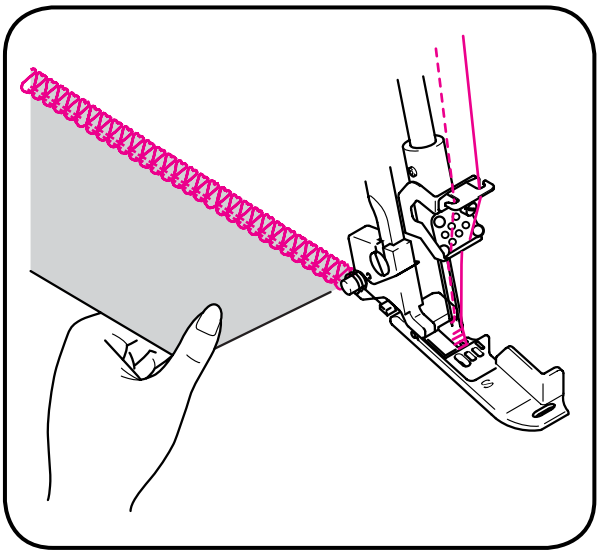
Start sewing

Slowly sew the first stitches by turning the handwheel toward you. The fabric feeds automatically. Guide it toward the presser foot, trimming as necessary.

Chain off

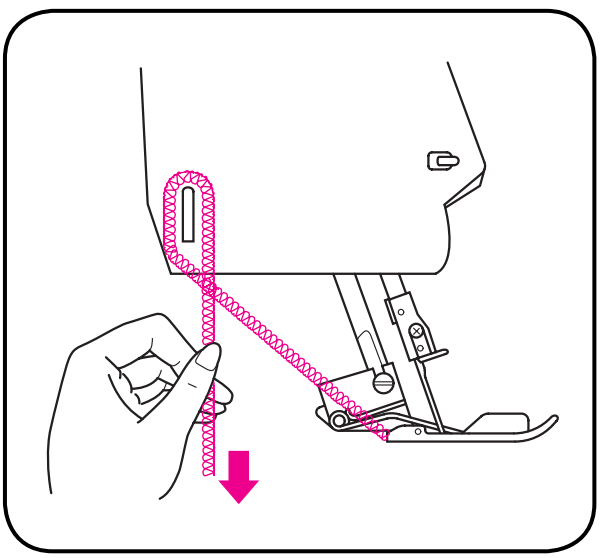
When you reach the end of fabric, chain off for several inches.

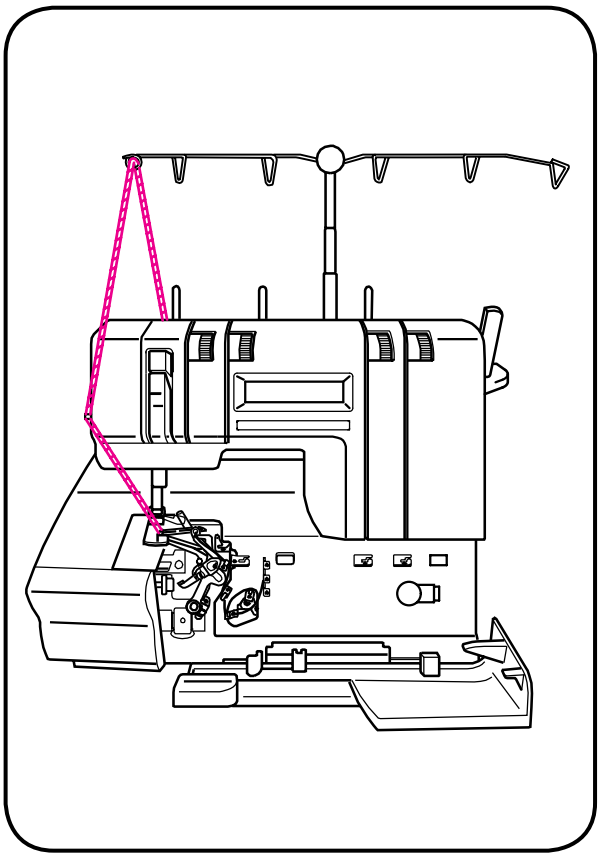
Note: Do not pull the threads out roughly, because the needle might bend or break.



- Cut off the thread chain using the thread cutter on the left of the machine.

Note: Lay thread chain into thread cutter from back to front, then pull toward you.

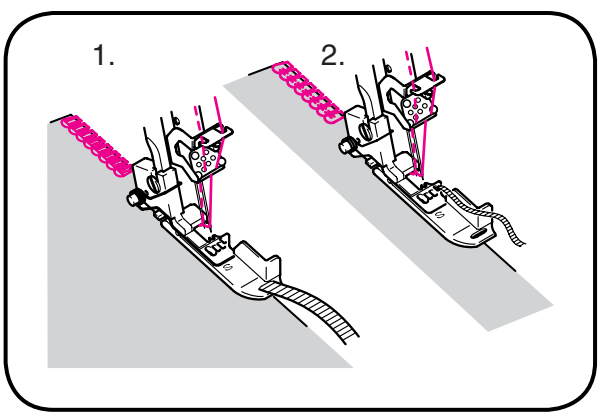




Cording thread / Decorative thread

Cording thread / decorative thread can be used to strengthen and stabilize stitches when seaming stretch fabrics and for decorative effects. Listed below are two ways of using corded thread:

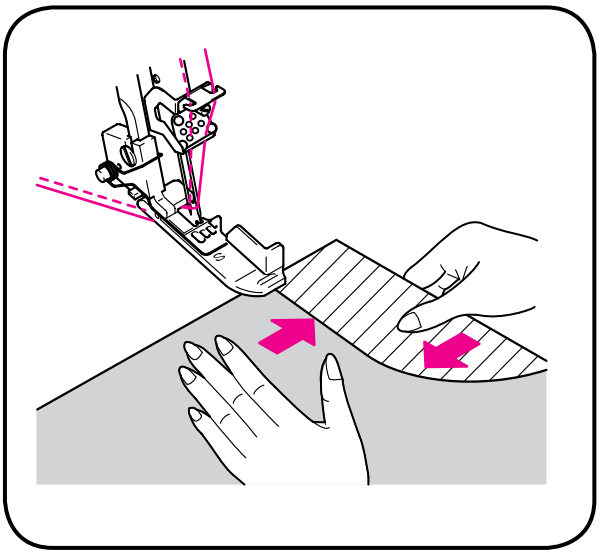
- Thread cord through the loop at the extreme left of the telescopic stand and through the guide on the left of the machine.



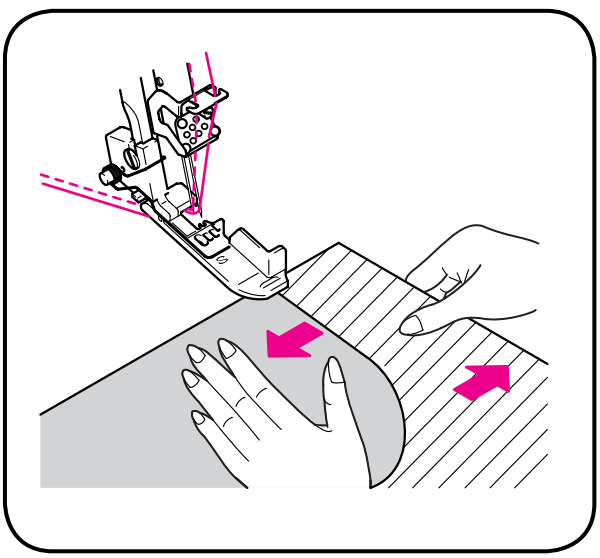
1. Place the narrow cord (about 3 mm) into the front hole of the presser foot and back under the foot, then sew so the right needle stitches through the cord.
2. Thread a narrow cord through the small hole on the right side of the presser foot near the needles according to the illustration. Make sure that the thread runs along the edge of the fabric, then sew over the thread.

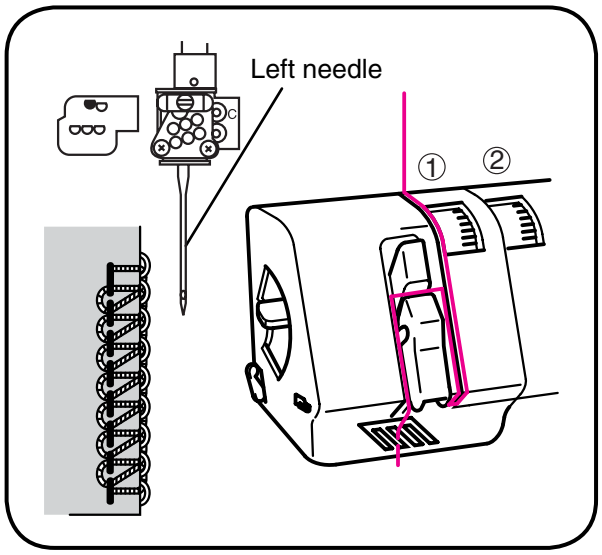
Serging curves

For inside curves, guide the fabric lightly and place the fabric under the right front of the presser foot. Applying pressure to the fabric with your left hand at the same time, apply a little pressure in the opposite direction with your right hand to hold it against the cutter as shown.



For outside curves, apply pressure in the opposite direction of the above.



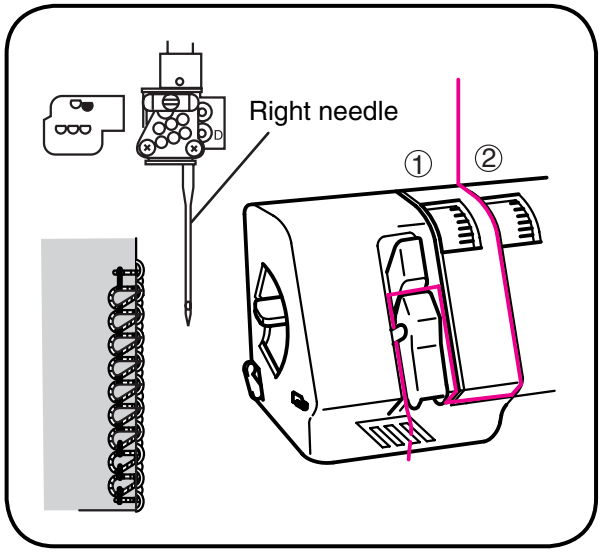


4-2. Three thread overlock

To sew three thread overlock, simply remove one needle.

1. Remove the right needle for wide three thread

Use dial ① for the tension of the left needle thread, stitch width / cutting width is normally 5.5 mm. The differential feed ratio is normally “1.0”.



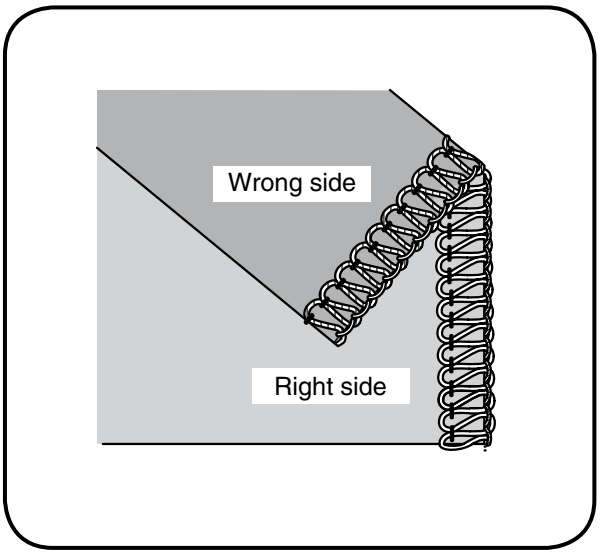
2. Remove the left needle for narrow three thread

The right needle sews a narrow width. Use dial ② for the tension of the right needle thread, stitch width / cutting width is normally 3.5 mm. The differential feed ratio is normally “1.0”.

3-thread stitch

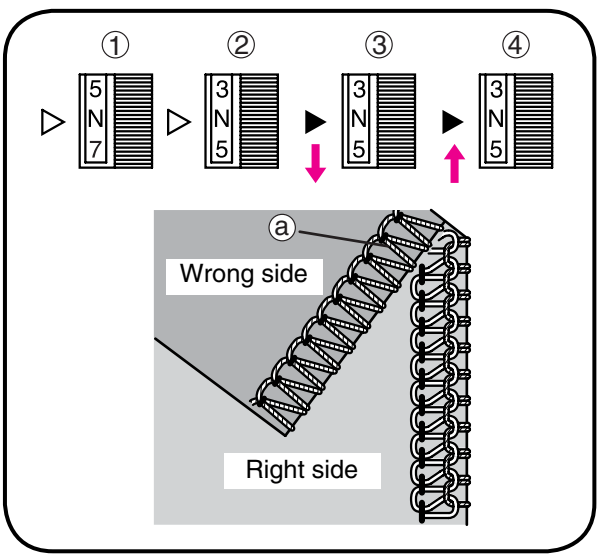
Correct tension

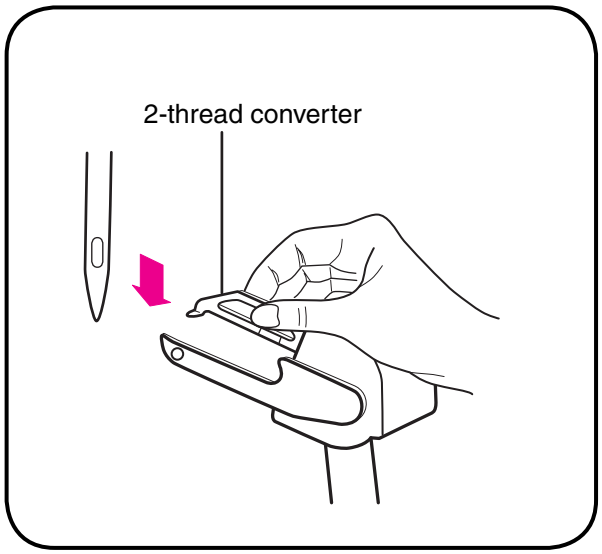
The needle thread lies flat and straight, to the left, and locks with the upper looper thread on the top and the lower looper thread on the bottom side of the fabric.



Unbalanced lower looper thread is wrapped around and over the top side

Increase the thread tension of the lower looper (dial ④) or reduce the thread tension of the upper looper thread (dial ③).



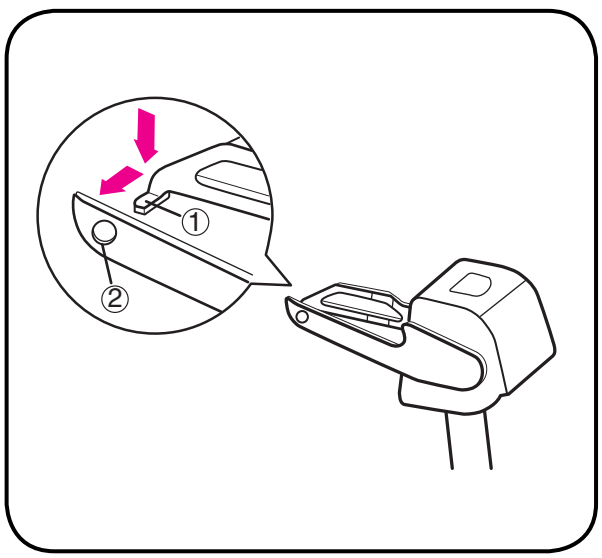


4-3. Two thread overlock

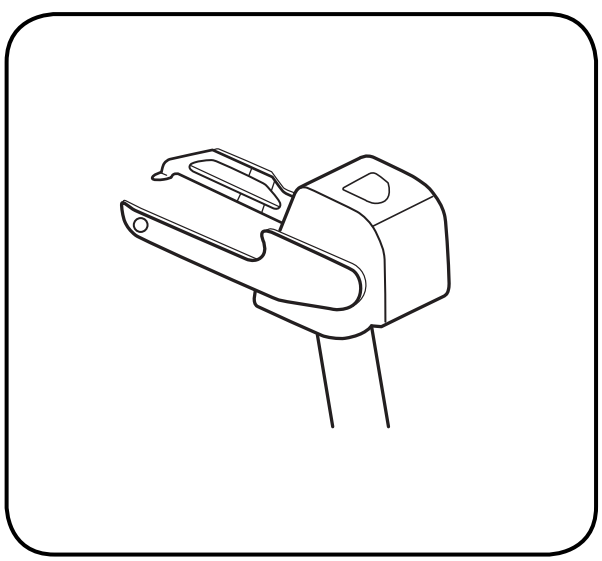
1. Open the front cover.
2. Use one needle thread (left or right needle) and lower looper thread.
3. Turn the handwheel toward you to move the upper looper to the right side of the needle.
4. Hold the 2-thread converter by hand and gently push it down.

Warning:

Pushing converter down too hard may bend converter.



5. Insert the tip ① of the 2-thread converter into the eye ② of the upper looper.
6. Close the front cover.



For 3-thread/4-thread overlock sewing, set 2-thread overlock converter in the up position as illustrated, by removing the tip ① out of the eye ② of the upper looper.

4-4. Stitch selection table two-thread sewing

Thread Tension Stitches	Material	Left Needle Tension	Right Needle Tension	Upper Looper Tension	Lower Looper Tension	Stitch Length	Cutting Width Dial	Stitch Finger
2-thread Overlock (Narrow)	Light	-	2	-	6	2.5-3	N	N
	Medium	-	2	-	6			
	Heavy	-	2	-	7			
2-thread Overlock (Wide)	Light	1	-	-	6	2.5-3	N	N
	Medium	0	-	-	6			
	Heavy	1	-	-	7			
2-thread Narrow Edge	Light	-	2	-	6	1-1.5	5.0	R
	Medium	-	3	-	6			
	Heavy	Not advised						
2-thread Rolled Edge	Light	-	N	-	5	1-1.5	5.0	R
	Medium	-	N	-	5			
	Heavy	Not advised						

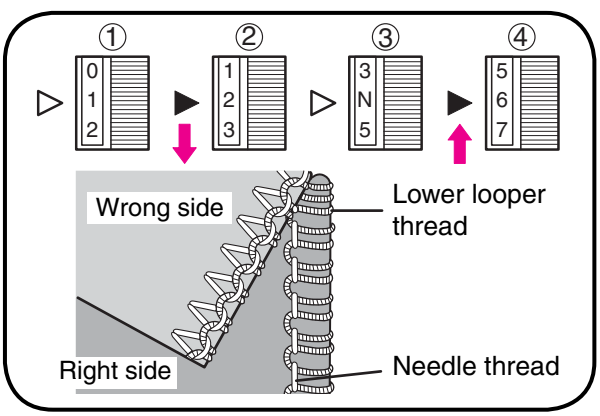
Set tension according to the table above. Since the figures in the table are average, it may be necessary to adjust the tension according to the type of fabric, fabric thickness and thread.

Note: Fabric and thread may vary. Stitch a sample on scraps before sewing your garment. The differential feed ratio is normally set to “1.0” (see page 24).

Thread tension adjustment / Correct thread tension

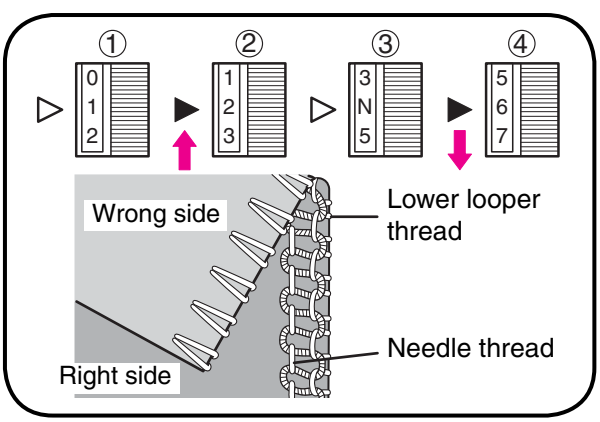
Unbalanced lower looper thread-stitches are wrapped around and over the wrong side

Increase the thread tension of the lower looper thread (dial ④) or reduce the tension of the right needle thread (dial ②).



Unbalanced needle thread tension-stitches too loose

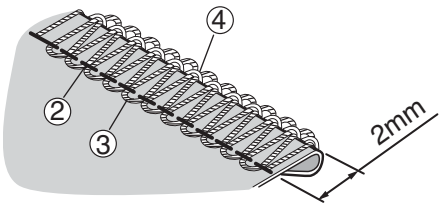
Increase the thread tension of the right needle thread (dial ②) or reduce the tension of the looper thread (dial ④).



4-5. Rolled edge

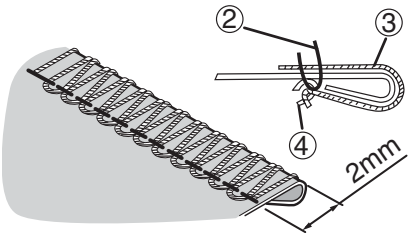
Three thread rolled edge

3-thread narrow edge



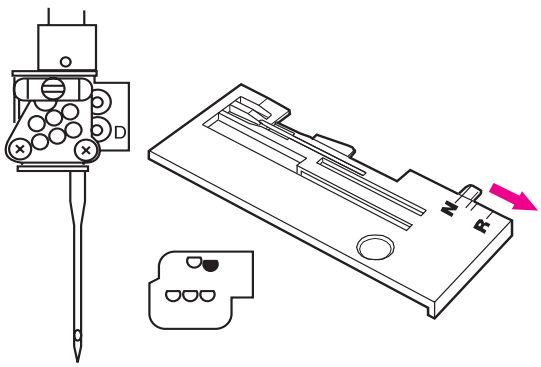
The fabric is overlocked with upper and lower looper thread.

3-thread narrow edge

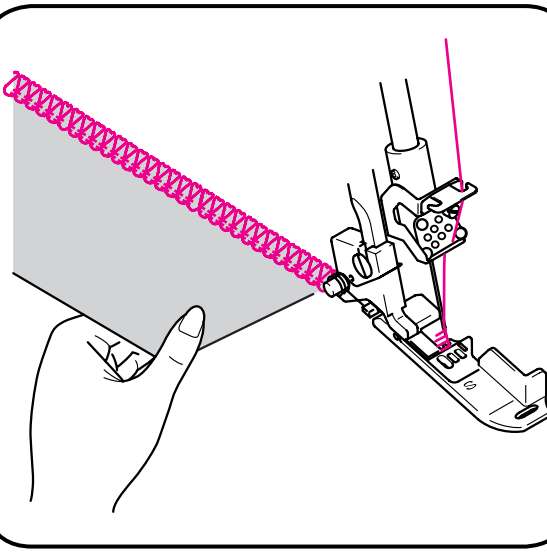


The fabric is rolled by adjusting.
The thread tension and is overlocked with upper looper thread.

The two edges described above are suitable for light weight fabrics.



1. Remove the left needle (only sew with right needle).
2. Pull the stitch finger lever toward you to position “R” on the needle plate.



3. Sew along edge of fabric, cutting desired amount for a beautiful finish on table linens or hems.

Note: For best result in sewing narrow edge, thread through guide ***a***. (See page 17)

Table for three thread rolled edge and narrow edge

	Rolled edge	Narrow edge
Cutting width	5-6 mm	5-6 mm
Stitch length	1-1.5 mm	1-1.5 mm
Differential feed ratio	1.0	1.0

Thread tension

Right needle thread (2)	3-5	3-5
Upper looper thread (3)	3-5	4-6
Lower looper thread (4)	7-9	3-5

Adjust thread tension according to type of fabric and thread.

Two thread rolled edge

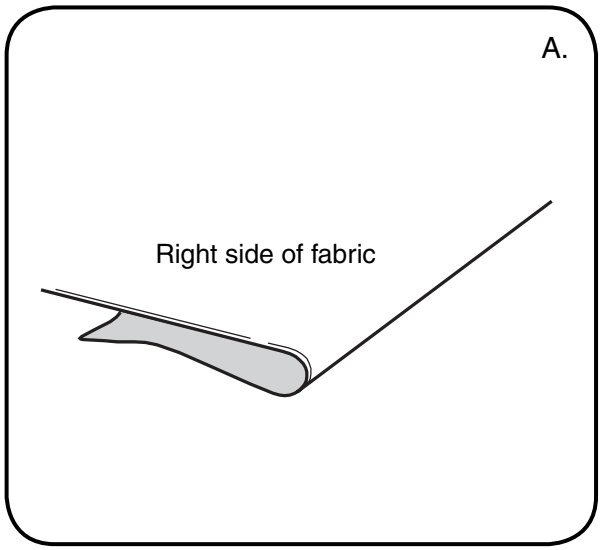
1. Convert to 2-thread overlock, see page 31.
2. Use right needle only and pull stitch finger lever toward you to align with “R” on the needle plate.

Table for two thread rolled edge and narrow edge

	Rolled edge	Narrow edge
Cutting width	N	N
Stitch length	1-1.5 mm	1-1.5 mm
Differential feed ratio	0.8-1.0	0.8-1.0

Thread tension

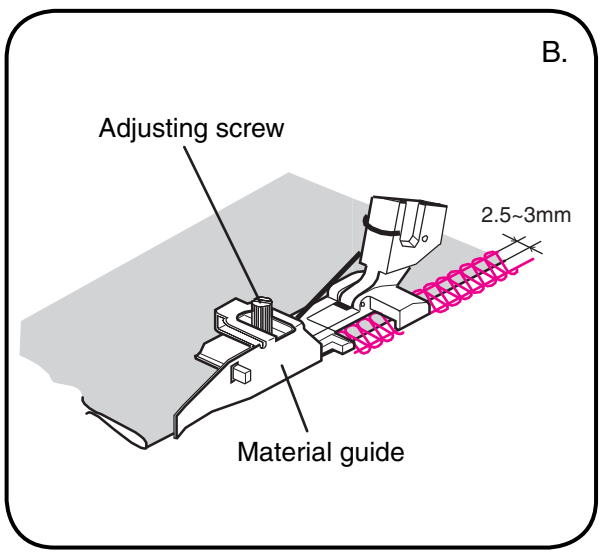
Right needle thread (2)	N	2-3
Upper looper thread (3)	-	-
Lower looper thread (4)	5	6



4-6. Flatlock

There are two ways to sew a flatlock stitch, with wrong sides folded together to create a decorative look and with right sides folded together to create ladder stitch as used for lingerie.

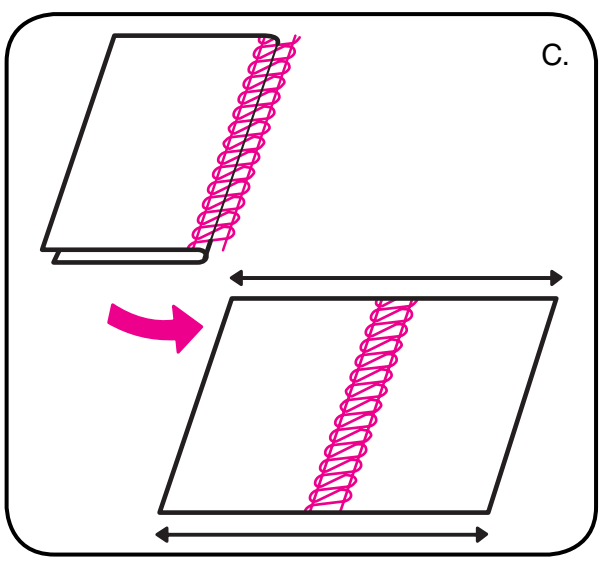
1. Fold the material with wrong sides together. Then raise the presser foot, set the material so that it is under the needle, and then lower the presser foot. Set the stitch width control dial to (5-7). Sew, allowing the thread to loop off the edge (C).



Flatlock with multipurpose foot:

2. Adjust with the adjusting screw so that the needle moves down to a position 2.5~3.0 mm (0.1~0.12 in.) inside the folded edge of the material so that some of the stitching loops over the edge.
3. While guiding the material with your hand, sew at a constant speed.

Note: This foot will make it easier to sew along the folded edge without cutting the fabric.



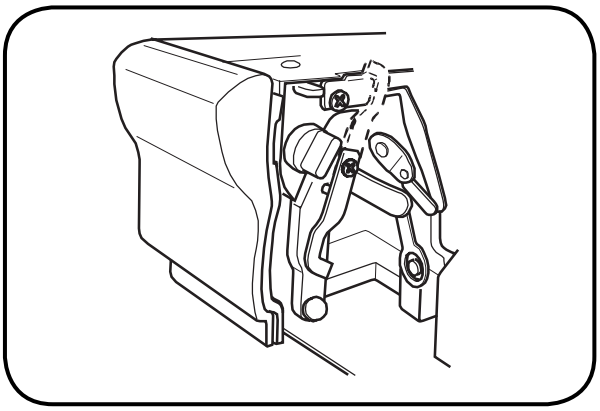
4. Pull the material open (flat) as shown. This method is not recommended for thin materials. To adjust the position of the material guide, the same piece of material can be used to make a test sewing.

Note: For use of decorative threads in looper, decrease looper tension experiment, and program your settings in one of the memories for future use.

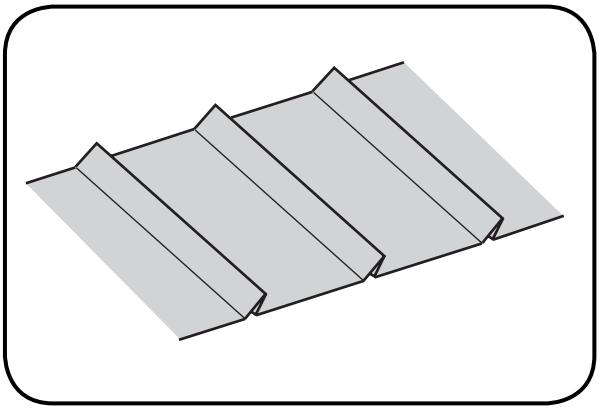
4-7. Pin tuck

Pin tucks are stitched along a folded edge. To avoid cutting the fabric, use the multipurpose foot. Pin tucks are suitable for children's clothes and lady's blouses.

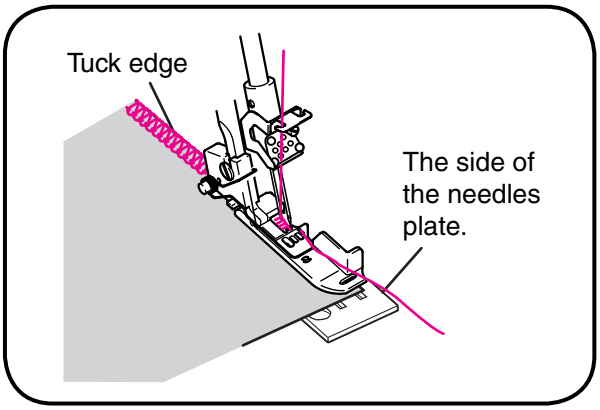
1. Use the left needle for wide tucks, the right needle for narrow.
2. Snap on multipurpose foot and adjust guide. (page 35)
3. Raise the presser foot.
4. The tension is set for normal overlock "N".



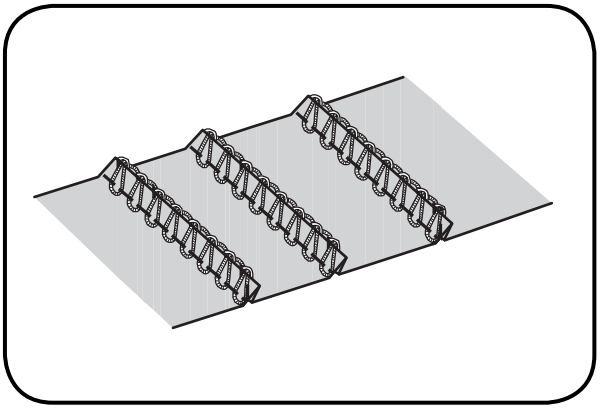
Mark and press the pin tucks before sewing. The differential feed ratio is normally "1.0".

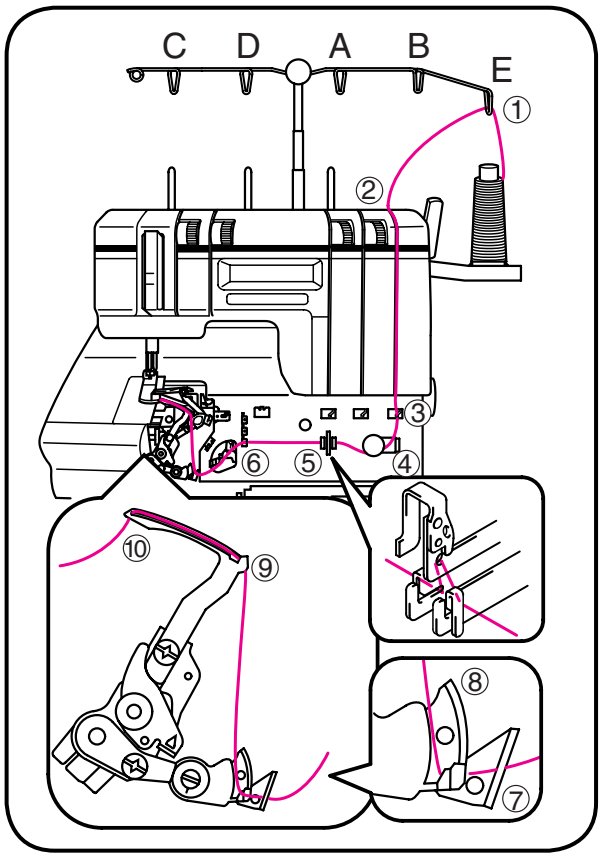


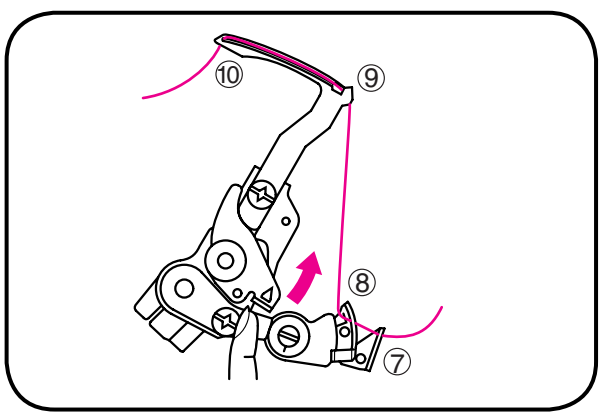
5. Place the fabric under the presser foot with the edge in line with the side of the needle plate, or guide on the multipurpose foot, lower the presser foot and start serging. Serge off the fabric at the end.

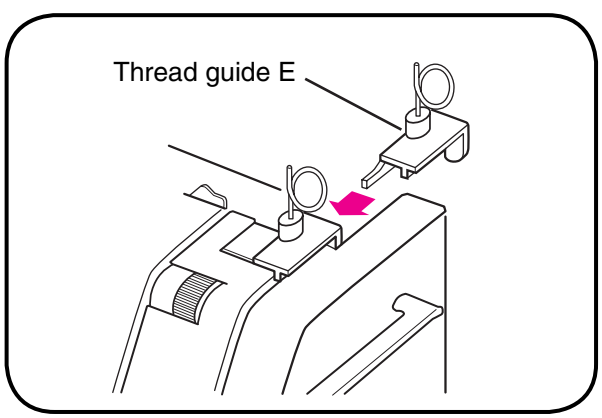


6. The tuck is pressed to one side when serging is finished.









4-8. Five thread over lock stitch and Double chain stitch

Double chain stitch looper threading (E)

1. Raise the presser foot.
2. Open front cover.
3. Pull thread from spool through guide ① of the thread stand and then through guide ②.

Note: Make sure the thread snaps into the slot of guide ②, and then thread through ③ to ⑥.

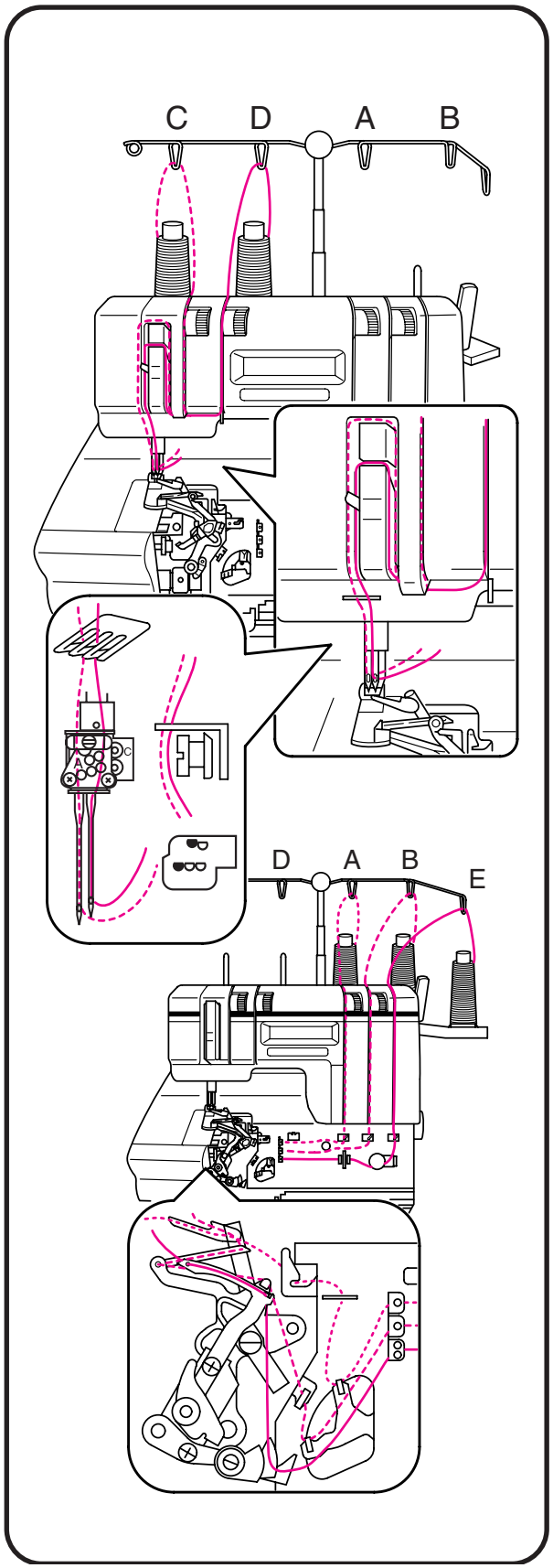
4. Turn the handwheel toward you and position the double chain stitch looper to the far right.
5. When you push the looper threading knob in the direction of the knob arrow as shown, the double chain stitch looper moves to the right, and you can pass thread into the thread hole at the end of the looper more easily.
6. Then thread through guides ⑦ to ⑩.

Note: Make sure the thread snaps into the slot of guide ⑧.

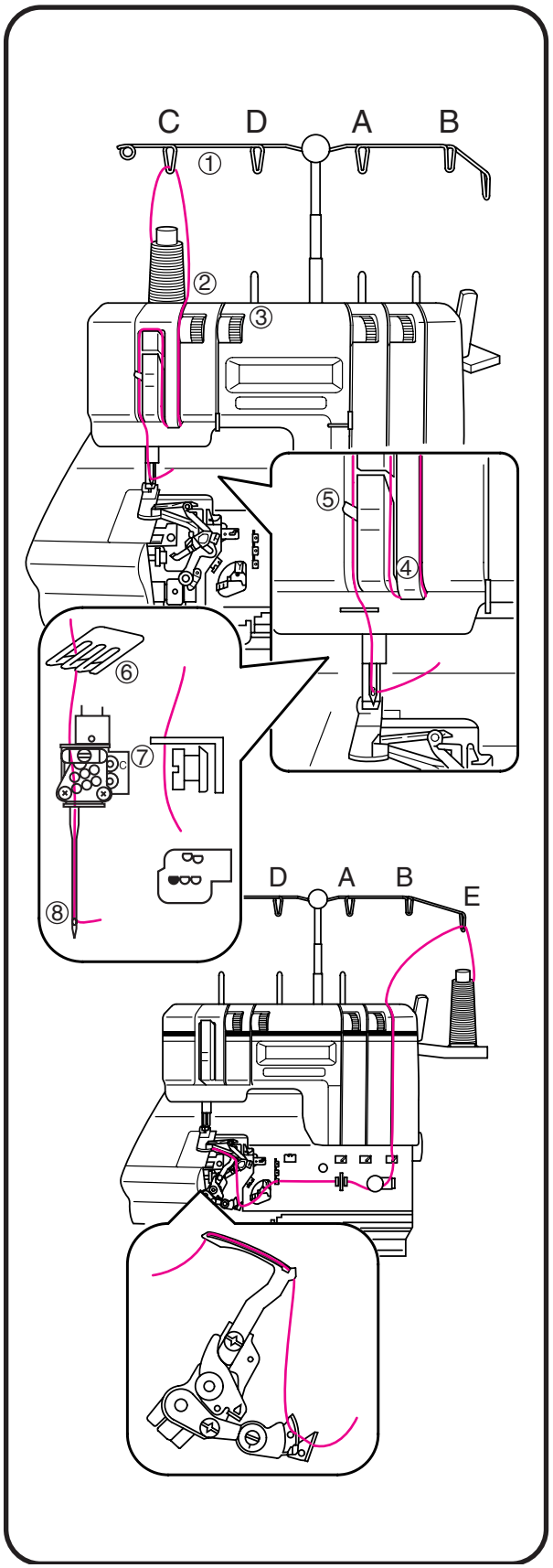
7. Pull out the thread leaving about 10 cm.
8. When you start stitching after threading, the knob returns to the original position automatically.

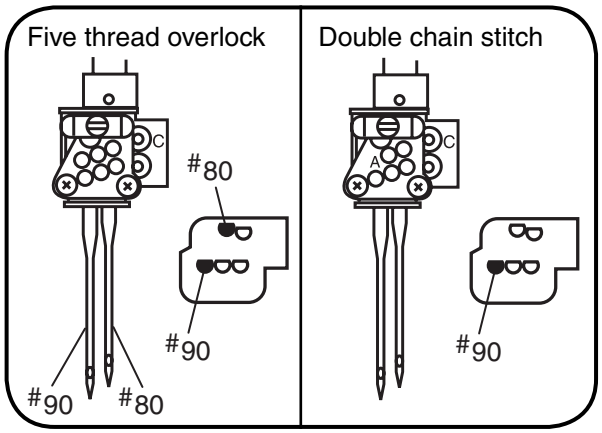
Note: When using decorative thread by Five thread overlock stitch and Double chain stitch as illustrated.
Insert Thread guide E from the back toward the front as illustrated, then thread a decorative thread into Thread guide E.
When carrying the sewing machine, take off Thread guide E from the machine.

5-thread overlock



Double chain stitch

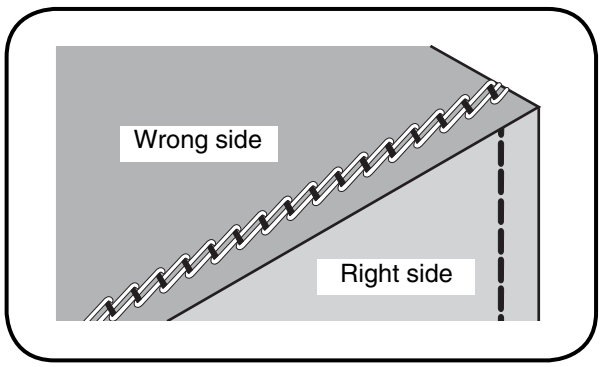




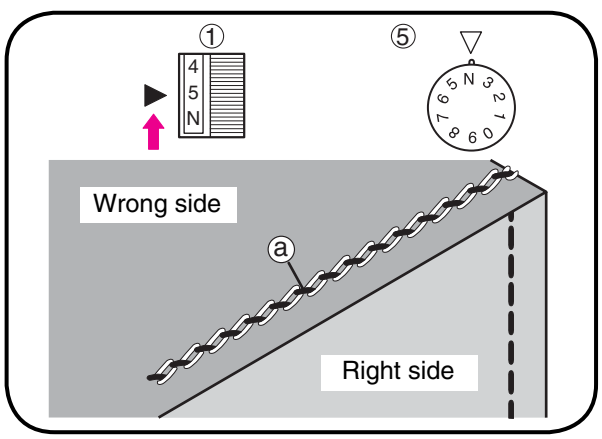
Note: Insert SCHMETZ needle(s) into the needle clamp in the position(s) advised by the Sewing Advisor.

Five thread overlock (oneword)
Needle position A ··· #90
Needle position C ··· #80
Double chain stitch
Needle position A ··· #90

Double chain stitch

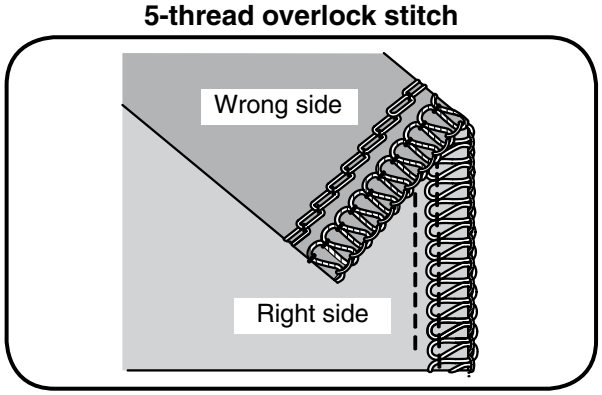


Chainstitch
Correct tension
The chainstitch needle thread lies on the top side of the fabric, and is just visible in the chainstitch looper thread on the underside of the fabric.



The needle thread is too loose
Increase the thread tension of the needle thread dial ①.
(The needle thread ***a*** is too loose.)

5-thread overlock stitch



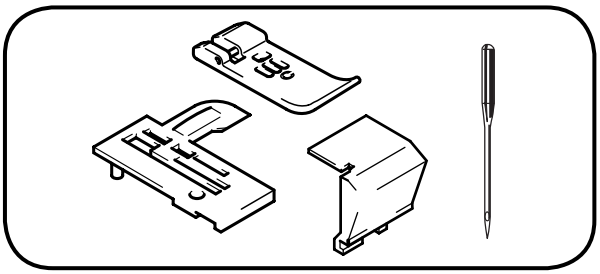
Note: Thread tension adjustment for 5-thread overlock, see above and “3-7” thread tension (page 20).
A five thread overlock stitch is the combination of chainstitch and three thread overlock stitch. For concerning thread tension adjustment, please refer to above mentioned explanation for the chainstitch and page 30 for three thread stitch.

4-9. Cover stitch

Set up for Cover stitch and Chainstitch

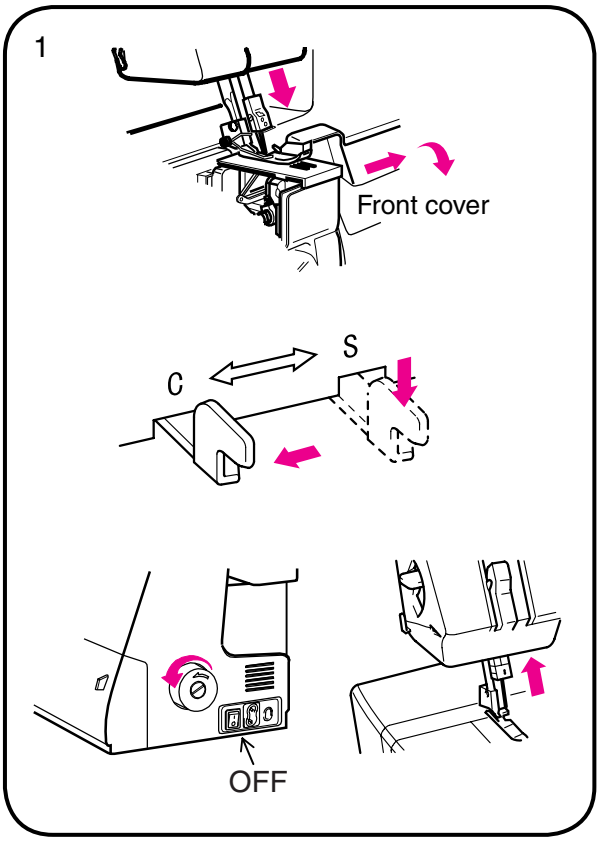
When sewing cover stitches or double chain stitches, change the following parts:

1. Cutter cover (C)
2. Needle plate (C)
3. Needle (SCHMETZ #90)
4. Presser foot (C)

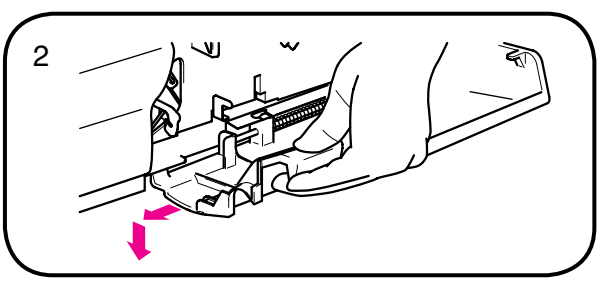


Change the parts in the following order.
Cut and remove each thread before beginning to change the parts:

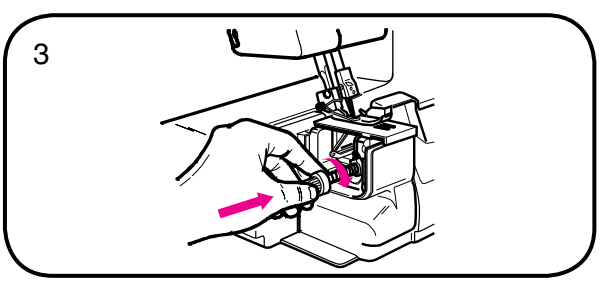
1. To position the upper looper:
   1) Tap the foot controller once to stop the needle in the lower stop position.
   2) Open the front cover to reveal select lever.
   3) To ensure safety, turn off the power switch.
   4) While pushing down the select lever, move it from “S” to “C”.
   5) Turn the handwheel toward you by hand to stop the needle bar in the upper stop position.



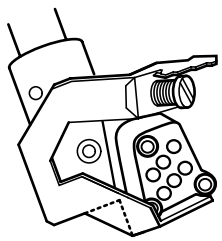
2. To remove the standard cutter cover, slide cutter cover (S) to the left and remove.



3. Remove the flatbed cover and free arm cover and lower the cutter. (Refer to Page 8)

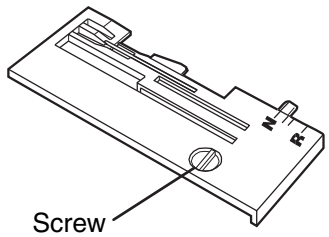


4



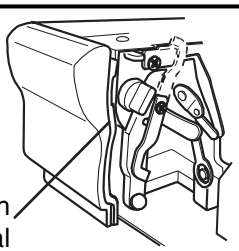
4. Remove the rear needle(s) from the needle clamp.

5,6



5. Set the stitch finger lever to “R”. (See Page 8) and remove the presser foot (S).
6. Remove the standard needle plate (S). (Remove one screw.)

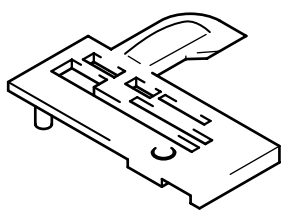
7



7. Turn the cutting width dial to 7.

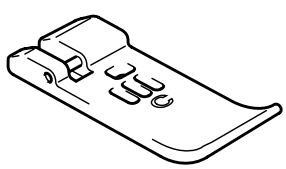
Note: If it is not set to width “7”, the cutter will not allow the Cover Stitch needle plate (C) to be put on.

8



8. Put on the needle plate (C).
(Use the screw removed in above step 6 for the needle plate (C).)
9. Insert SCHMETZ (#90) needle(s) into the needle clamp in the position(s) advised by the Sewing Advisor.
10. Snap on the presser foot (C).
11. Slide on the cutter cover (C).

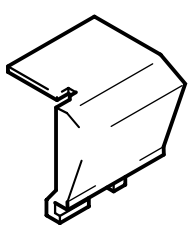
10



9

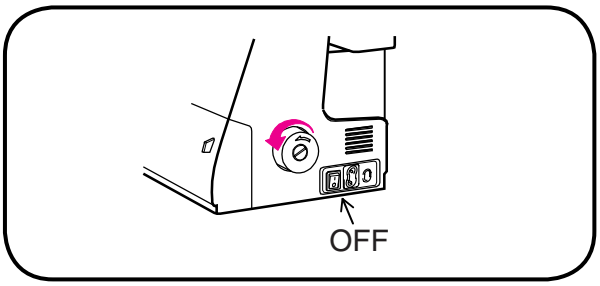
Note: To change from Cover / Chain stitch to standard overlock, reverse the steps above.

11

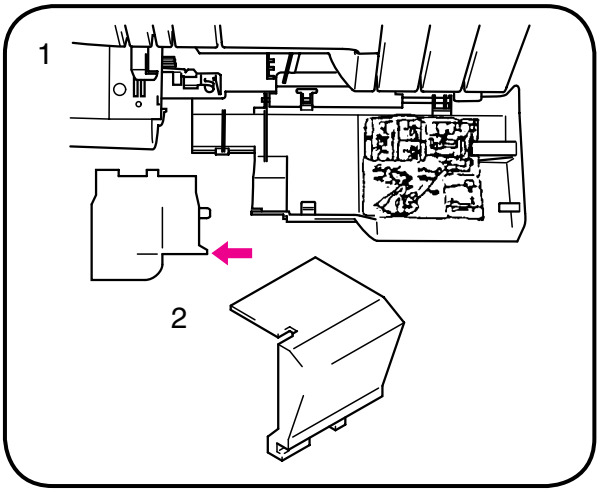


12. Close the front cover.
13. Slide on the free arm cover and flatbed cover.

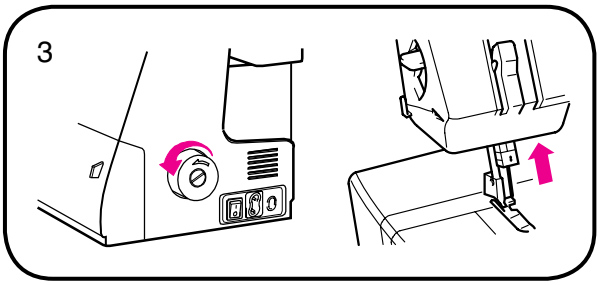
To change from Cover or Double chain stitch sewing to standard sewing, reverse the order of set up for Cover stitches. However, always remove the needle plate (C) before moving the lever from “C” to “S”.
The order is given below:
To ensure safety, turn off the power switch.
Also, cut and remove the thread before changing parts below.



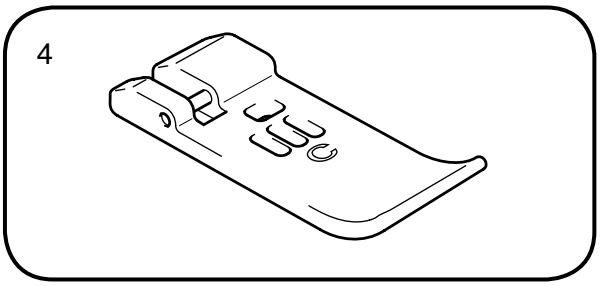
1. Open the front cover.
2. Remove the cutter cover (C). (as explained on page 40)



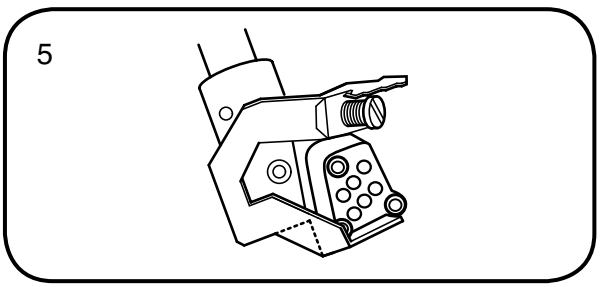
3. Turn the handwheel toward you to set the needle to the highest position.

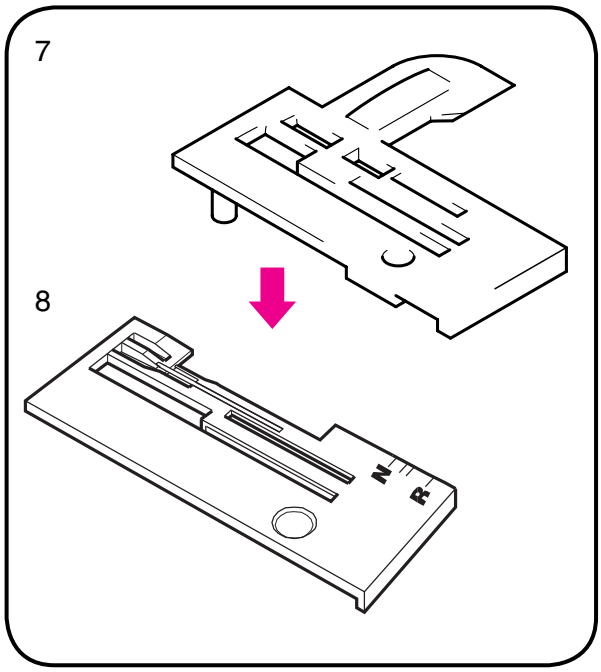


4. Raise the presser foot, and snap off presser foot (C).

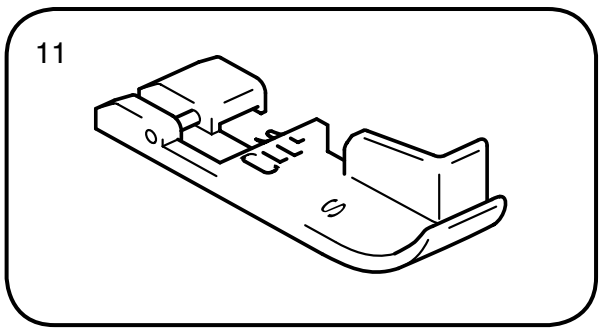


5. Remove the front needle(s) from the needle clamp.
6. Remove the flatbed and free arm covers.

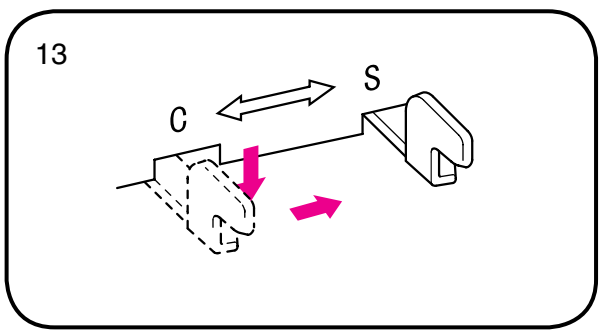




7. Remove the needle plate (C).
8. Put on the standard needle plate (S).
9. Raise the cutter.
10. Replace the needles according to desired stitch.

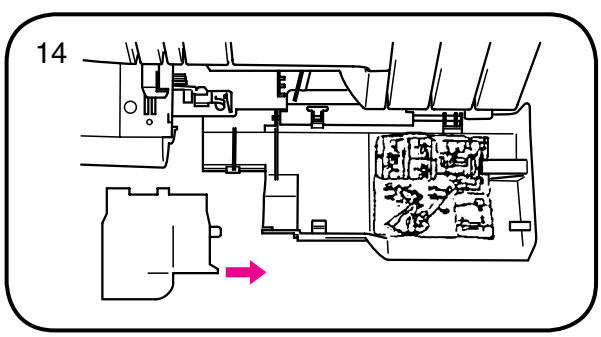


11. Snap on the standard presser foot (S).
12. Turn the handwheel by hand to set the needle to the lowest position.



13. Move the Chain / Cover select lever from “C” to “S”.

(Turn the handwheel by hand to make sure that the upper looper moves.)



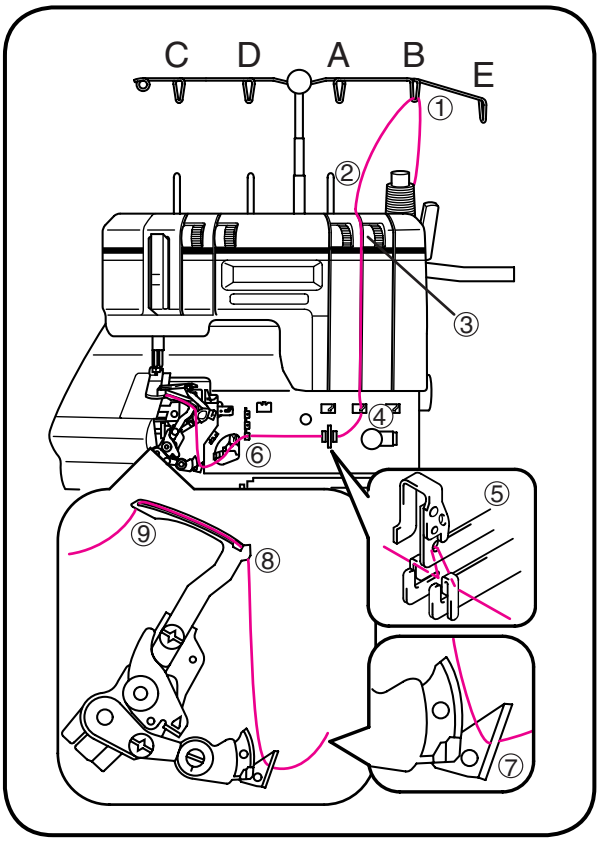
14. Slide on the standard cover (S) to the front cover.
15. Close the front cover.
16. Put on the flatbed and free arm cover.

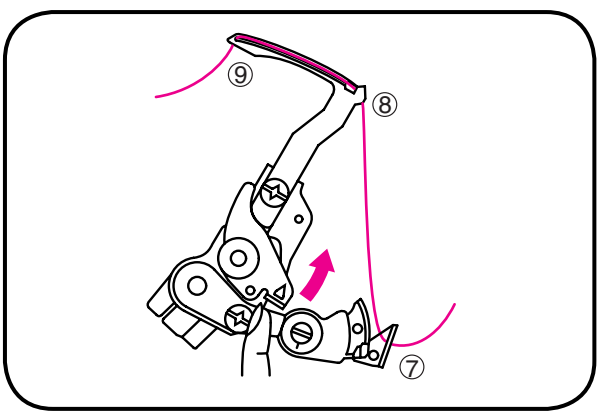
Cover stitch looper threading (B)

1. Raise the presser foot.
2. Open front cover.
3. Pull thread from spool through guide ① of the thread stand and then through guide ②.

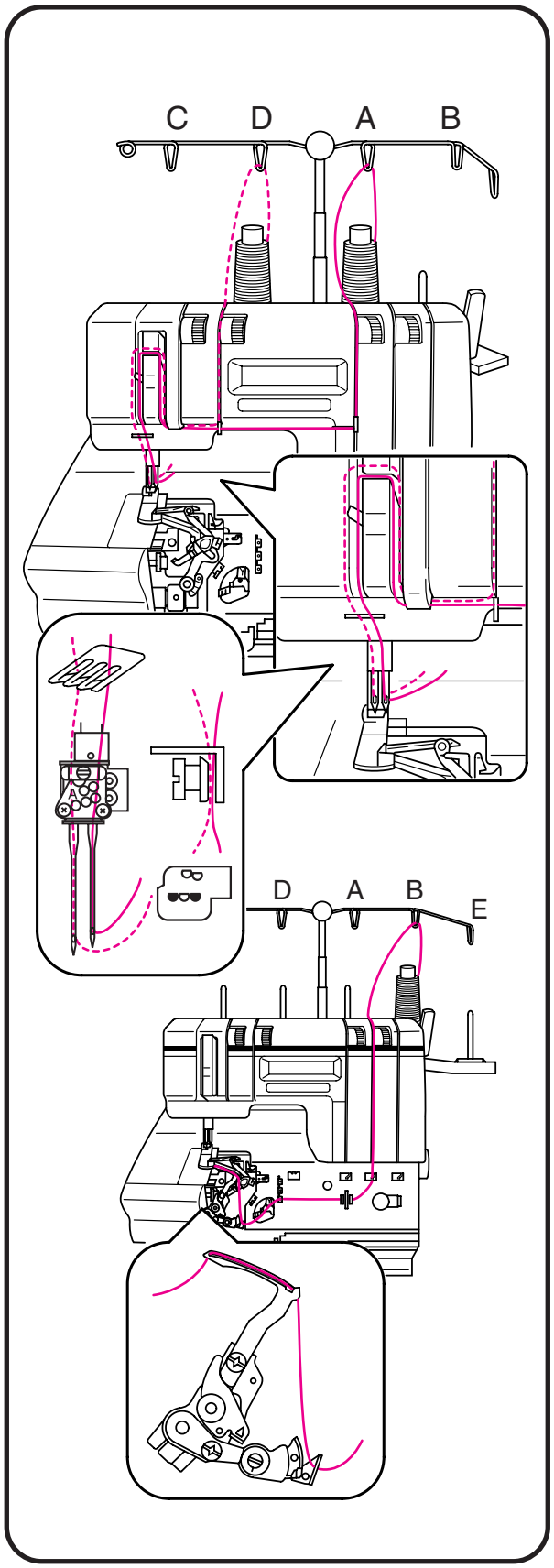
Note: Make sure the thread snaps into the slot of guide ②, and then thread through ③ to ⑥.

4. Turn the handwheel toward you and position the double chain stitch looper to the far right.
5. When you push the looper threading knob in the direction of the knob arrow as shown, the double chain stitch looper moves to the right, and you can pass thread into the thread hole at the end of the looper more easily.
6. Then thread through guides ⑦ to ⑨.
7. Pull out the thread leaving about 10 cm.
8. When you start stitching after threading, the knob returns to the original position automatically.

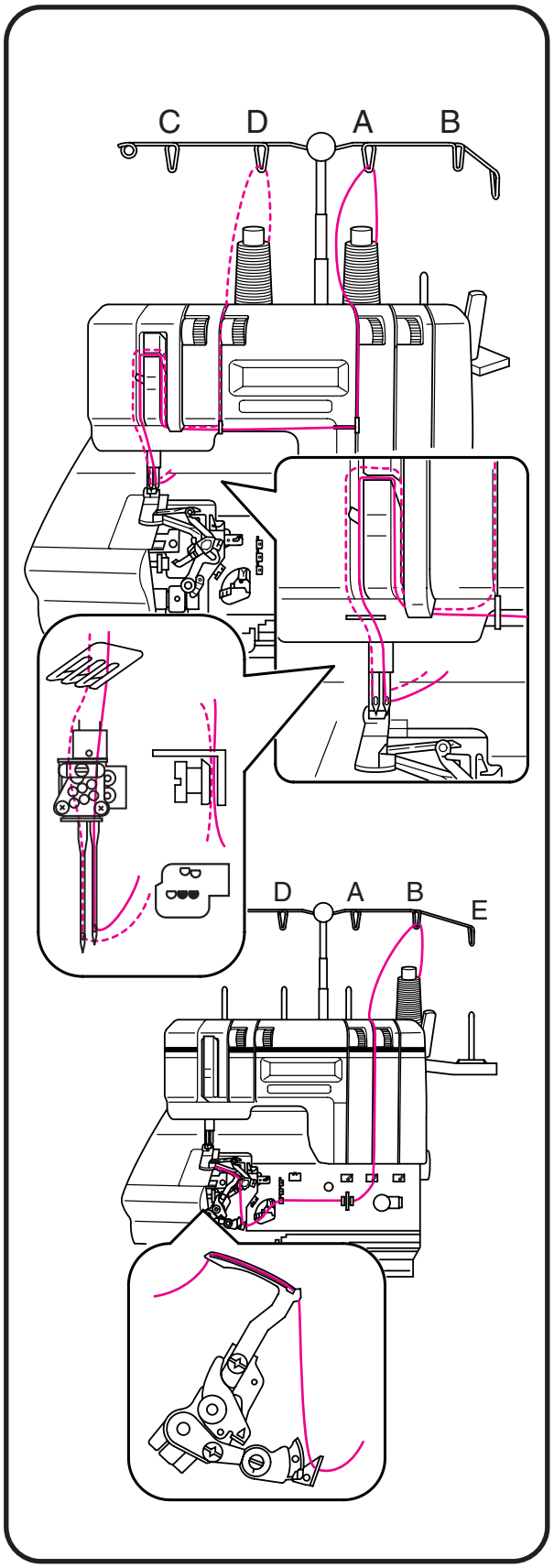




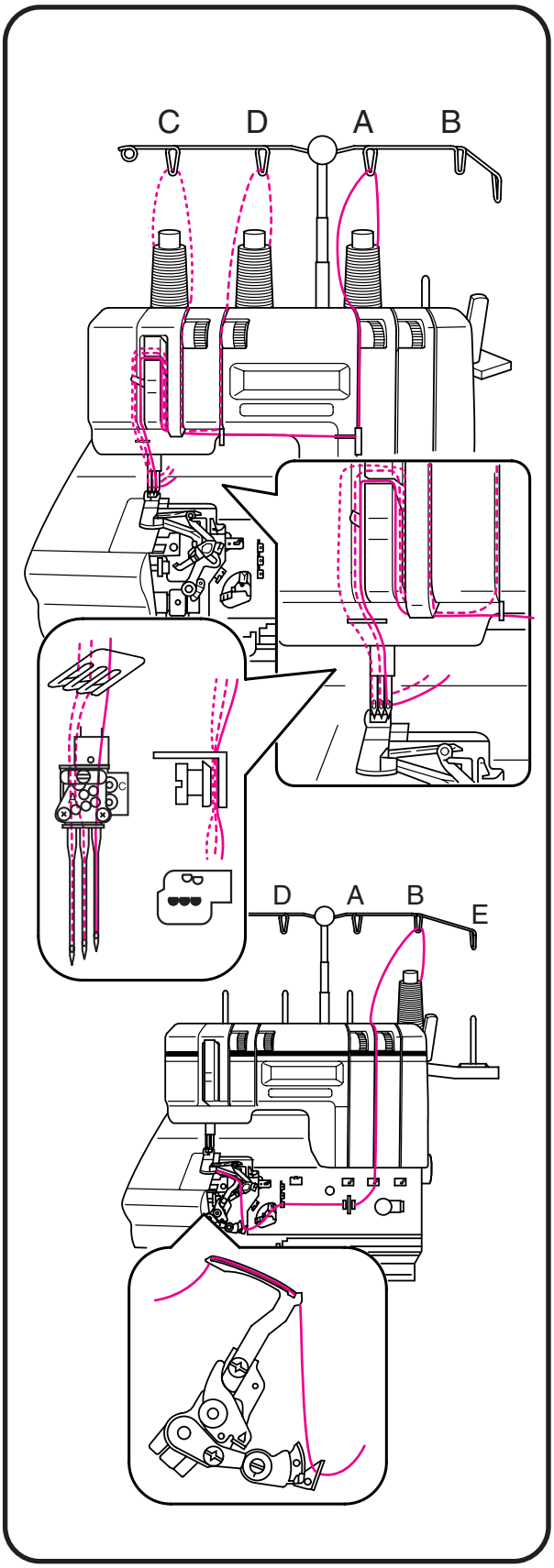
Cover stitch wide

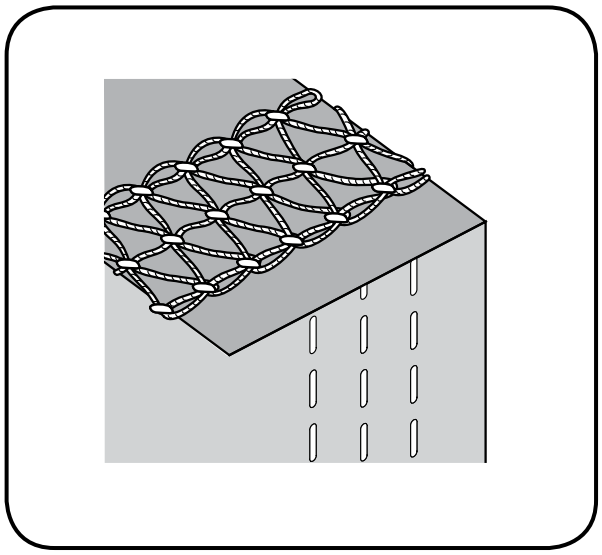


Cover stitch narrow



Triple cover stitch

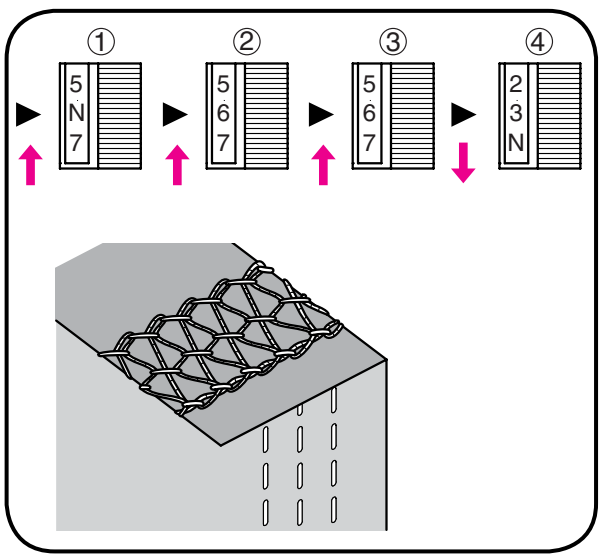




Triple coverstitch

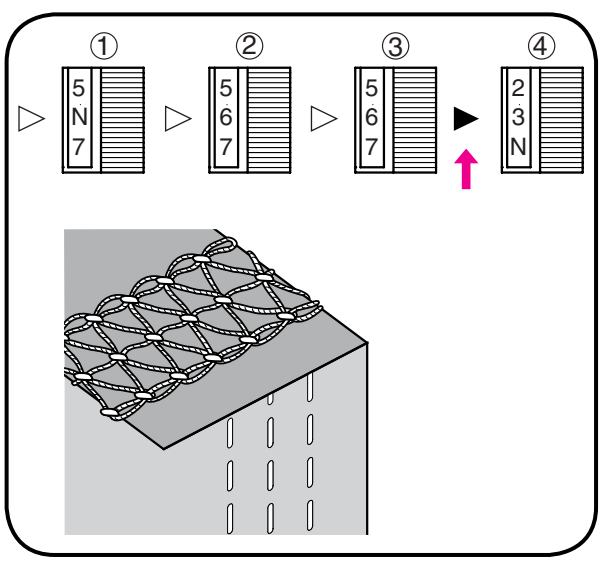
Correct tension

The picture shows the correct tension of 3 needle threads and chainstitch looper thread.



When needle thread is too loose

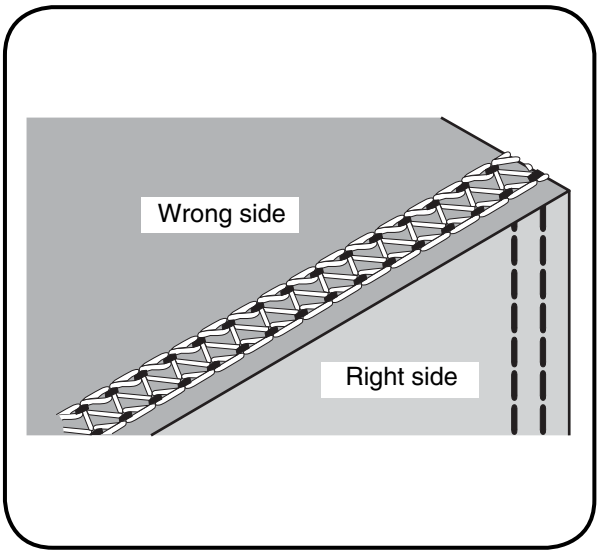
Increase thread tension dial ① (② , ③), or decrease the chainstitch looper thread tension dial ④.



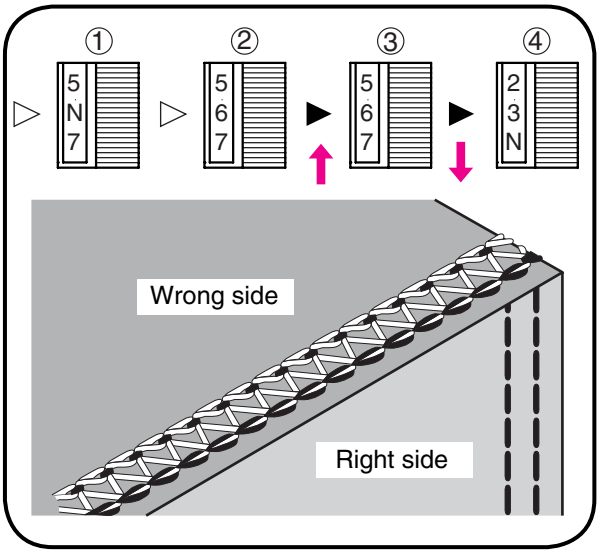
When chainstitch looper thread is too loose

Increase the chainstitch looper thread tension dial ④.

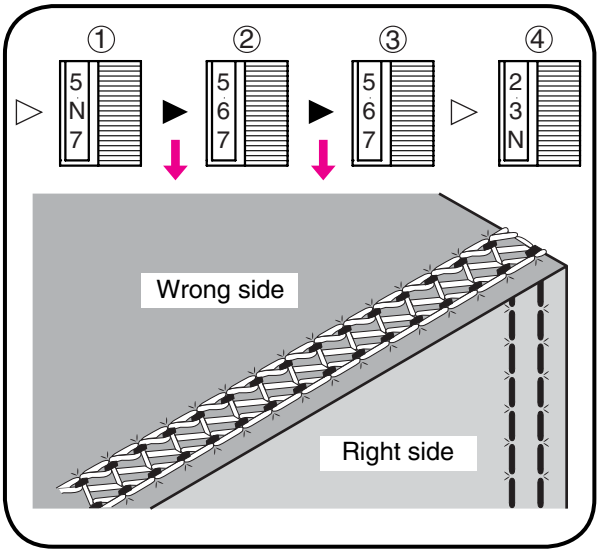
Cover stitch wide and Cover stitch narrow.
The picture shows the correct tension of both Needle threads and the chainstitch looper thread.

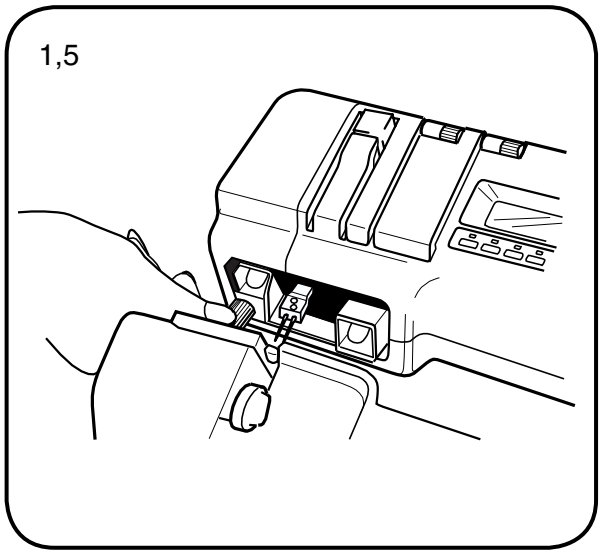


The right needle thread is too loose
Increase the thread tension of the right needle thread dial ③ or reduce the tension of looper threads- dial ④.



Both needle threads are too tight
Reduce the thread tension of both needle threads- dial ② and ③.





5. MAINTENANCE

5-1. Changing the light bulb

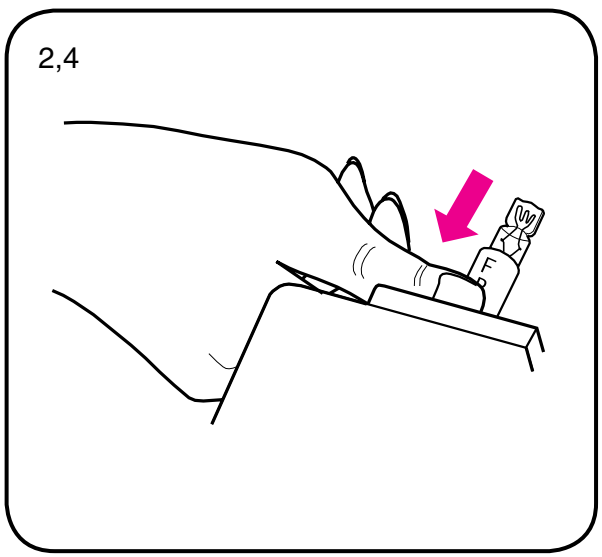
Warning:

Let the light bulb cool down before replacing it to avoid burning your fingers.

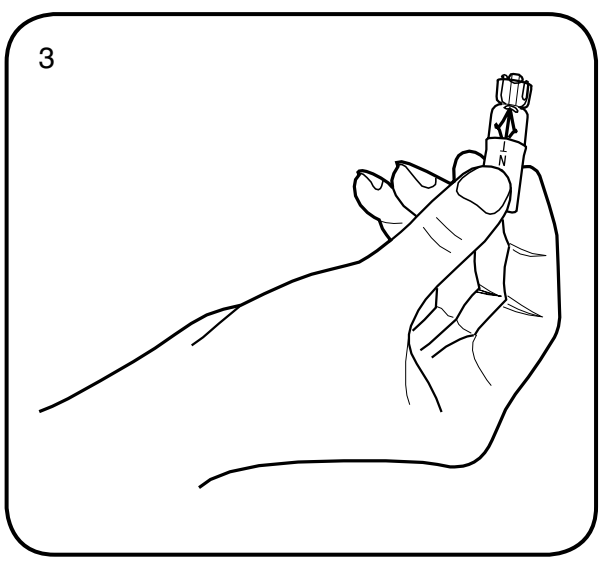
Note: The maximum power of the light bulb is 12V, 5W.

⚠ Unplug the machine.

1. Lay machine on its back.
2. Place the rubber sleeve with its deep hole (found in the accessory box) around the bulb.



3. Do not turn the bulb, just pull it down to remove the bulb.

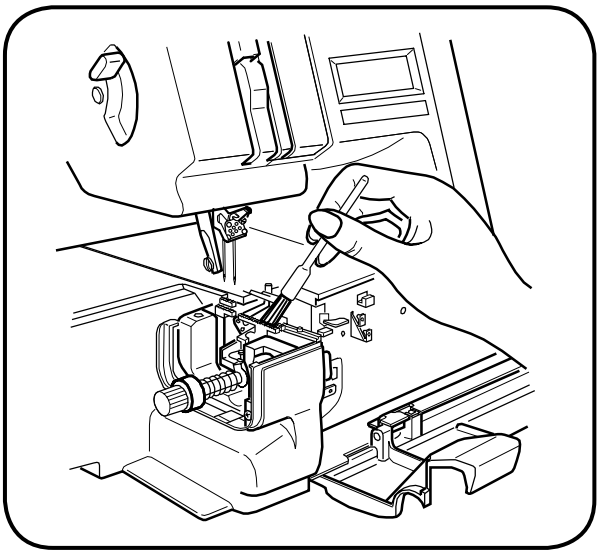


4. When inserting, place the rubber sleeve with its shallow hole around the new bulb, insert the bulb by pushing it up.
5. Check with finger tips that the new bulb is properly fitted.

5-2. Cleaning after sewing

⚠ Unplug the machine.

1. Open the front cover (page 3) and free arm cover (page 8).
2. Remove all the lint with the brush from the accessory box.



5-3. Storage

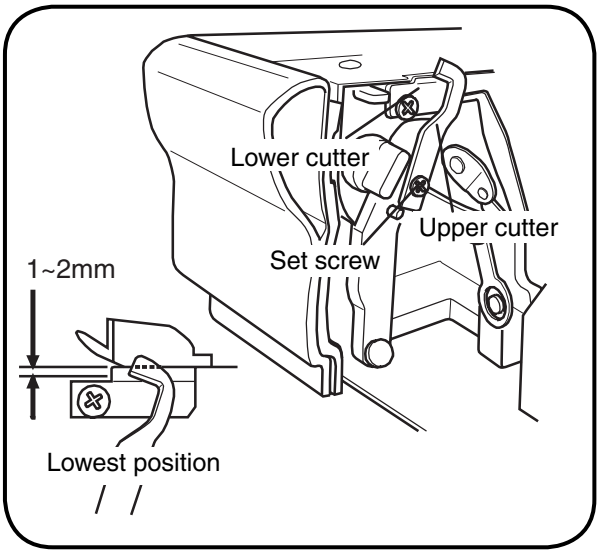
1. When the machine is not in use, disconnect it from the power supply.
2. Cover the machine with the vinyl cover when you have finished sewing.
3. Store the machine so that it is not directly exposed to sunlight or humidity.

5-4. Replacing the lower cutter

Cutters are available as an accessory at your authorized **Husqvarna** dealer.

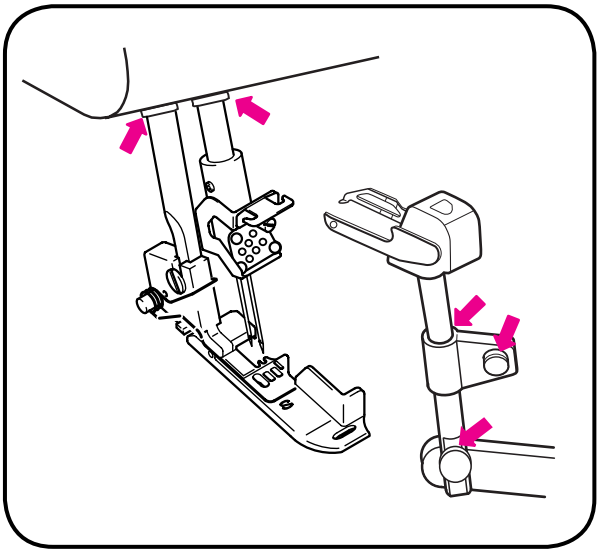
⚠ Unplug the machine

1. Open the front cover (See page 8).
2. Disengage upper cutter and turn to lowest position.
3. Loosen the screw of the lower cutter and remove the cutter.
4. Mount the new cutter.
5. Re-position the upper cutter.
6. Turn the handwheel so that the needles are in their lowest position.
7. Make sure that the front edge of the cutter is 1~2 mm lower than the cutting edge of the lower cutter.
8. Tighten the new cutter with the screw.
9. Always clean with the brush.



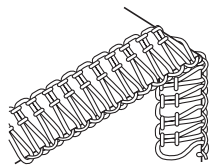
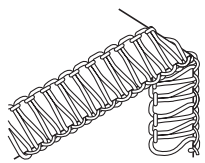
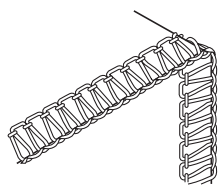
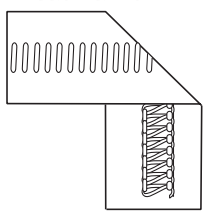
5-5. Lubrication

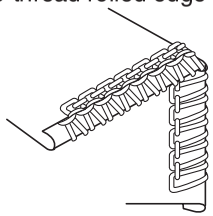
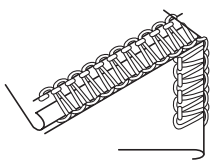
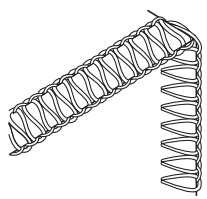
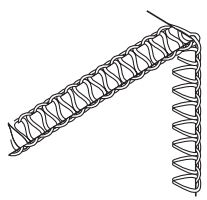
To make the machine run smoothly and quietly some of the moving parts must be lubricated once or twice a month when using the machine normally and once a week when using it frequently. Always remember to unplug the machine for service. Remove all excess oil before you start sewing to avoid staining your project.

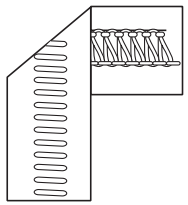
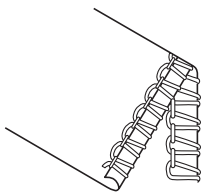
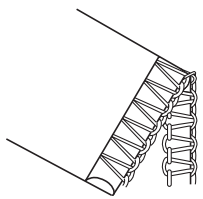
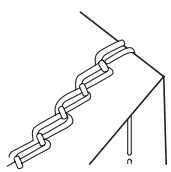


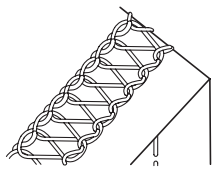
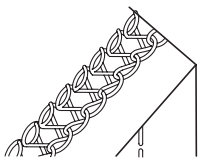
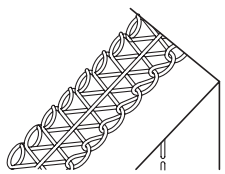
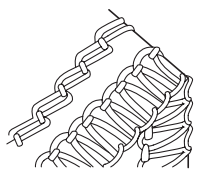
6. STITCH TABLE

Sewing Advisor display data reference sheet (For 5-thread mode)

Combination		Stitch Length	Diff Feed	Stitch Finger	Upper Knife Pos.	Cutting Width	Needle Pos.	Needle Plate	Presser Foot	Cutting Knife Cover	Clutch Lever Pos.	Thread tension				
Sewing Program	Material											Y	R	G	B	P
A:4-thread overlock 	Woven Med	2.5			Up			S	S	S	S	N	N	N	N	-
	Woven Hvy	3.0	1.0		Up			S	S	S	S	N	N	N	N	-
	Woven Lt	2.0	0.8	N	Up	N	C・D	S	S	S	S	N	N	N	N	-
	Knit Med	2.5	1.5		Up			S	S	S	S	N	N	3	N	-
	Knit Hvy	3.0	2.0		Up			S	S	S	S	N	3	3	N	-
	Knit Lt	2.0	1.0		Up			S	S	S	S	N	3	3	N	-
B:3-thread wide overlock 	Woven Med	2.5			Up			S	S	S	S	N	-	3	N	-
	Woven Hvy	3.0	1.0		Up			S	S	S	S	N	-	3	N	-
	Woven Lt	2.0	0.8	N	Up	N	C	S	S	S	S	N	-	3	N	-
	Knit Med	2.5	1.5		Up			S	S	S	S	3	-	3	N	-
	Knit Hvy	3.0	2.0		Up			S	S	S	S	4	-	3	N	-
	Knit Lt	2.0	1.0		Up			S	S	S	S	3	-	3	N	-
C:3-thread narrow overlock 	Woven Med	2.5			Up			S	S	S	S	-	N	N	N	-
	Woven Hvy	3.0	1.0		Up			S	S	S	S	-	5	N	N	-
	Woven Lt	2.0	0.8	N	Up	N	D	S	S	S	S	-	3	N	N	-
	Knit Med	2.5	1.5		Up			S	S	S	S	-	3	3	N	-
	Knit Hvy	3.0	2.0		Up			S	S	S	S	-	3	N	N	-
	Knit Lt	2.0	1.0		Up			S	S	S	S	-	3	3	N	-
D:3-thread flatlock 	Woven Med	3.0			Up			S	M	S	S	1	-	3	6	-
	Woven Hvy		1.0		Up			S	M	S	S	1	-	3	7	-
	Woven Lt		0.8	N	Up	N	C	S	M	S	S	1	-	3	6	-
	Knit Med		1.5		Up			S	M	S	S	1	-	N	7	-
	Knit Hvy		2.0		Up			S	M	S	S	1	-	N	7	-
	Knit Lt		1.0		Up			S	M	S	S	1	-	3	7	-

Combination		Stitch Length	Diff Feed	Stitch Finger	Upper Knife Pos.	Cutting Width	Needle Pos.	Needle Plate	Presser Foot	Cutting Knife Cover	Clutch Lever Pos.	Thread tension				
Sewing Program	Material											Y	R	G	B	P
E:3-thread rolled edge 	Woven Med	1.0	1.0	R	Up	6.0	D	S	S	S	S	-	N	3	6	-
	Woven Hvy	Not advised														
	Woven Lt	1.0	0.8	R	Up	6.0	D	S	S	S	S	-	3	N	6	-
	Knit Med	Not advised														
	Knit Hvy															
	Knit Lt	1.0	0.9	R	Up	6.0	D	S	S	S	S	-	N	3	6	-
F:3-thread narrow edge 	Woven Med	1.0	1.0	R	Up	6.0	D	S	S	S	S	-	N	5	N	-
	Woven Hvy	Not advised														
	Woven Lt	1.0	0.8	R	Up	6.0	D	S	S	S	S	-	N	6	N	-
	Knit Med	Not advised														
	Knit Hvy															
	Knit Lt															
G:2-thread wide overlock 	Woven Med	3.0	1.0	N	Up	N	C	S	S	S	S	1	-	-	5	-
	Woven Hvy		0.8		Up			S	S	S	S	1	-	-	5	-
	Woven Lt		1.5		Up			S	S	S	S	1	-	-	6	-
	Knit Med		2.0		Up			S	S	S	S	1	-	-	6	-
	Knit Hvy		1.0		Up			S	S	S	S	1	-	-	6	-
	Knit Lt															
H:2-thread narrow overlock 	Woven Med	3.0	1.0	N	Up	N	D	S	S	S	S	-	2	-	6	-
	Woven Hvy		0.8		Up			S	S	S	S	-	2	-	7	-
	Woven Lt		1.5		Up			S	S	S	S	-	2	-	6	-
	Knit Med		2.0		Up			S	S	S	S	-	2	-	6	-
	Knit Hvy		1.0		Up			S	S	S	S	-	2	-	6	-
	Knit Lt															

Combination		Stitch Length	Diff Feed	Stitch Finger	Upper Knife Pos.	Cutting Width	Needle Pos.	Needle Plate	Presser Foot	Cutting Knife Cover	Clutch Lever Pos.	Thread tension				
Sewing Program	Material											Y	R	G	B	P
I:2-thread flatlock 	Woven Med	3.0		N	Up	N	C	S	M	S	S	1	-	-	5	-
	Woven Hvy		1.0		Up			S	M	S	S	1	-	-	5	-
	Woven Lt		0.8		Up			S	M	S	S	1	-	-	5	-
	Knit Med		1.5		Up			S	M	S	S	1	-	-	5	-
	Knit Hvy		2.0		Up			S	M	S	S	1	-	-	5	-
	Knit Lt		1.0		Up			S	M	S	S	1	-	-	5	-
J:2-thread rolled edge 	Woven Med	1.0	1.0	R	Up	N	D	S	S	S	S	-	N	-	5	-
	Woven Hvy	Not advised														
	Woven Lt	1.0	0.8	R	Up	5.0	D	S	S	S	S	-	N	-	5	-
	Knit Med	Not advised														
	Knit Hvy															
	Knit Lt	1.0	0.9	R	Up	5.0	D	S	S	S	S	-	N	-	5	-
K:2-thread narrow edge 	Woven Med	1.0	1.0	R	Up	N	D	S	S	S	S	-	3	-	6	-
	Woven Hvy	Not advised														
	Woven Lt	1.0	0.8	R	Up	5.0	D	S	S	S	S	-	2	-	6	-
	Knit Med	Not advised														
	Knit Hvy															
	Knit Lt	1.0	0.9	R	Up	N	D	S	S	S	S	-	2	-	6	-
L:Chainstitch 	Woven Med	3.0	1.0	R	Down	7	A	C	C	C	C	5	-	-	-	N
	Woven Hvy											5	-	-	-	N
	Woven Lt	Not advised														
	Knit Med	3.0	1.0	R	Down	7	A	C	C	C	C	4	-	-	-	2
	Knit Hvy	Not advised														
	Knit Lt	Not advised														

Combination		Stitch Length	Diff Feed	Stitch Finger	Upper Knife Pos.	Cutting Width	Needle Pos.	Needle Plate	Presser Foot	Cutting Knife Cover	Clutch Lever Pos.	Thread tension				
Sewing Program	Material											Y	R	G	B	P
M:Cover stitch wide 	Woven Med	3.5	1.0	R	Down	7	A•E	C	C	C	C	-	6	7	3	-
	Woven Hvy											-	6	7	N	-
	Woven Lt	Not advised														
	Knit Med	4.0	1.0	R	Down	7	A•E	C	C	C	C	-	6	6	3	-
	Knit Hvy	4.5										-	6	6	3	-
	Knit Lt	Not advised														
N:Cover stitch narrow 	Woven Med	3.5	1.0	R	Down	7	B•E	C	C	C	C	-	6	6	3	-
	Woven Hvy											-	6	6	3	-
	Woven Lt	4.0	0.8	R	Down	7	B•E	C	C	C	C	-	6	6	3	-
	Knit Med	4.0	1.0	R	Down	7	B•E	C	C	C	C	-	5	5	3	-
	Knit Hvy	4.5										-	5	5	3	-
	Knit Lt	4.0	1.0	R	Down	7	B•E	C	C	C	C	-	5	5	3	-
O:Triple cover stitch 	Woven Med	3.5	0.9	R	Down	7	A•B•E	C	C	C	C	N	6	6	3	-
	Woven Hvy		1.0									N	6	6	3	-
	Woven Lt	Not advised														
	Knit Med	4.0	1.0	R	Down	7	A•B•E	C	C	C	C	5	5	5	3	-
	Knit Hvy	4.5										5	5	5	3	-
	Knit Lt	Not advised														
P:5-thread overlock 	Woven Med	2.5		N	Up	N	A•C	S	S	S	S	4	5	3	N	N
	Woven Hvy		1.0									5	5	3	N	N
	Woven Lt		0.8									4	N	3	N	N
	Knit Med		1.5									4	N	3	N	3
	Knit Hvy		2.0									4	N	3	N	3
	Knit Lt		1.0									4	N	2	N	3

7. TABLE OF SEWING MATERIALS, NEEDLES AND THREADS

	Thin materials (crepe, georgette)	Medium materials (chino, gabardine, etc.)	Thick materials (thick denim)
HA*1 Needle (SCHMETZ 130/705H) (For home-use sewing machine)	#80	#80 ~ #90	#90
Thread	Polyester (spun filament) Twisted thread #60/2~#100/3 (Twisted thread #80/3~#100/3)	Twisted thread #60/2	Twisted thread #50/2~#60/2
Thread tension (Needle thread)	Loose	Medium	Tight
Overedging width (Between left needle and edge)	5.0 ~ 5.5 mm	5.0 ~ 5.5 mm	5.5 ~ 6.0 mm
Stitch length	2.0 ~ 2.25 mm	2.5 ~ 3.0 mm	2.5 ~ 3.0 mm

Use ball point needles for stretch fabrics.

8. TROUBLE SHOOTING

Under normal conditions, if you carefully follow instruction for operating, no difficult or special adjustment is necessary for this machine.

Following cases are not failure of machine. Check your machine before you call service.

PROBLEM	CAUSE	CORRECTION	REFERENCE PAGE
Machine does not sew	• Not plugged in properly	• Plug cord into electrical outlet and machine properly	4
Machine does not feed properly	• Pressure on presser foot insufficient • Differential feed not set correctly	• Increase pressure by setting lever to (N~5) • Adjust differential feed	19 23
Needle breaks	• Bent or blunt needle • Needle inserted incorrectly • Pulling fabric while sewing	• Insert new needle • Reset needle • Do not pull fabric	6 6 26
Breaking threads	• Improper threading • Thread tension(s) too tight • Incorrect tension setting of needle	• Re-thread machine • Reset thread tension(s) • Reset needle / change to new needle	16 19~21 6
Skipping stitches	• Bent or blunt needle • Needle inserted incorrectly • Improper threading	• Insert new needle • Reset needle • Re-thread machine	6 6 16
Irregular stitches	• Tension not adjusted properly	• Check thread tensions	19~21
Puckering	• Needle thread tensions are too tight • Improper threading • Need differential feed	• Loosen needle thread tensions • Re-thread machine • Set differential feed 0.5-N	19~21 16 23

9. SPECIFICATIONS

Number of threads	5 Threads (4.3.2 Threads)
Number of needles	3 Needles (2 Needles, 1 Needle)
Needles	Standard SCHMETZ 130/705H No.80-90
Width between two needles	2 mm (6 mm : Triple and Wide cover stitch) (3 mm : Narrow cover stitch)
Overlock width	Standard 5.5 mm (Range 5.0-7.0 mm)
Stitch length	0.8-5.0 mm
Differential feed ratio	0.5-2.5 (Max 10 mm)
Maximum sewing speed	1300 Stitches/min
Machine dimensions	Width : 370 mm Depth : 265 mm (Max. 340 mm) Height : 285 mm (Max. 350-555 mm)
Weight	12 kg

10. OPTIONAL ACCESSORIES

10-1. Presser feet-optional accessories

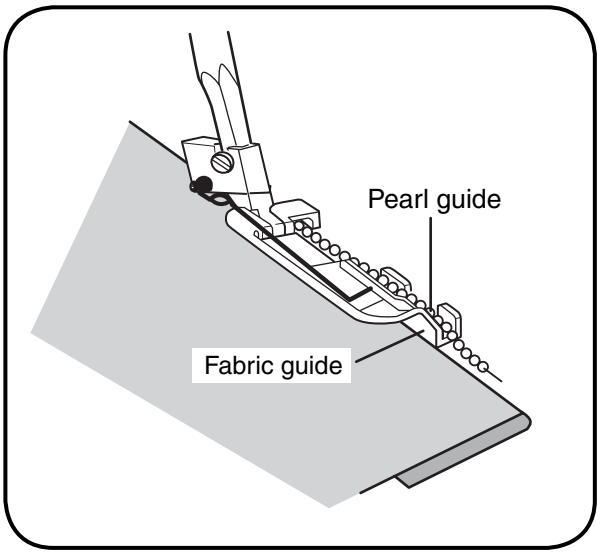
Accessory feet and waste tray available. See your local dealer for these accessories.

Pearl foot (Option)
(Part number : 2141002-501)
(Part number, for USA only : 141 000598)

1. Change stitch width to 7.
2. Remove right needle.
3. Pull stitch finger lever toward you to “R” position for rolled edge.
4. Replace regular presser foot with pearl foot.
5. Set stitch length at 4 to 5 depending upon the size of pearl.
6. Fold fabric along a line to be stitched with pearl chain. Feed the folded edge through the fabric guide of the foot.

Note: You can also sew down center of fabric using flatlock setting, page 35.

7. Place pearl chain on pearl guide.
8. Start sewing.



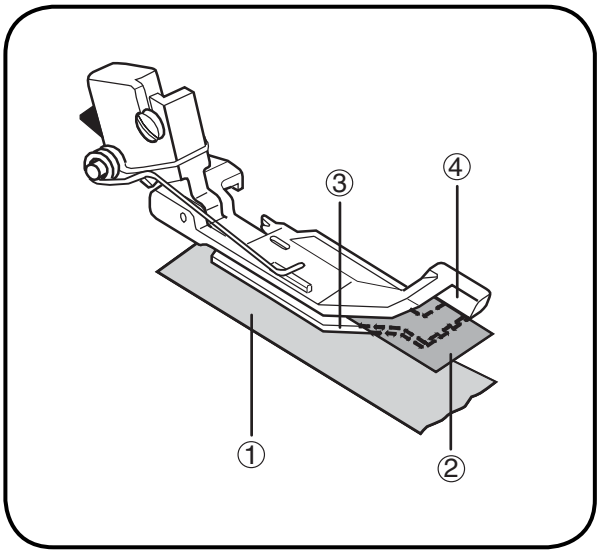
Gathering foot (Option)
(Part number : 2141002-502)
(Part number, for USA only : 141 000599)

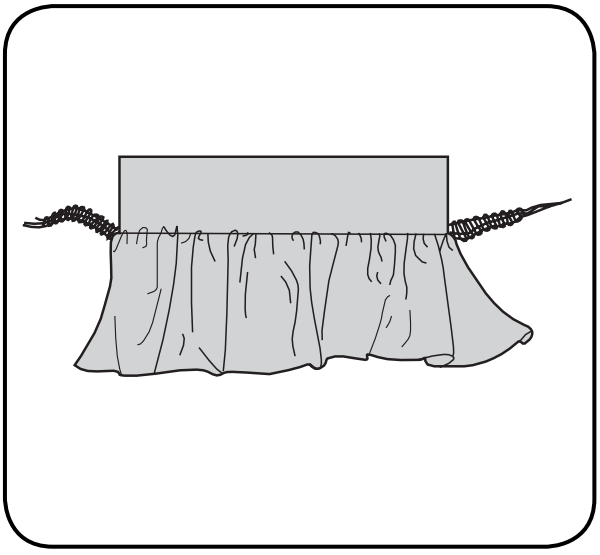
This foot, also known as a gathering foot or Shirring foot, is used for joining two pieces of lightweight fabric while gathering only one of the fabric layers as it is stitched to the flat layer.

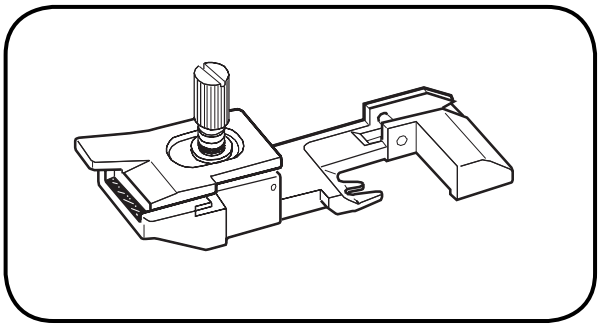
Preparation of machine

Differential feed ratio: 2-2.5.
Presser foot: Gathering foot.
Stitch Length: 3-5.
Needle: Two needles or one needle.
Stitch finger: Normal.

1. Snap on the gathering foot.
2. Raise the presser foot.
3. Bring needle(s) to the highest position.
4. Place bottom fabric layer ① between needle plate and gathering foot with right side up and insert it up to the needle against the upper cutter.
5. Place top fabric layer ② with right side down in opening of gathering foot ③ and flush with the bottom layer.
6. Lower the presser foot.
7. Make a sewing test. Guiding fabric against fabric guide ④.
8. Allow bottom fabric layer to feed freely and gather while top layer simply guides through at 1:1 ratio.

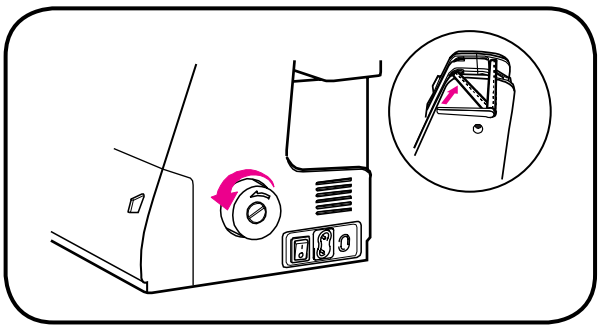




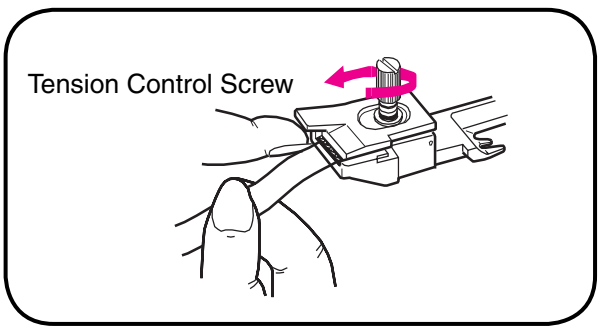


Elastic foot (Option)
(Part number : 2141002-407)
(Part number, for USA only : 141 000595)

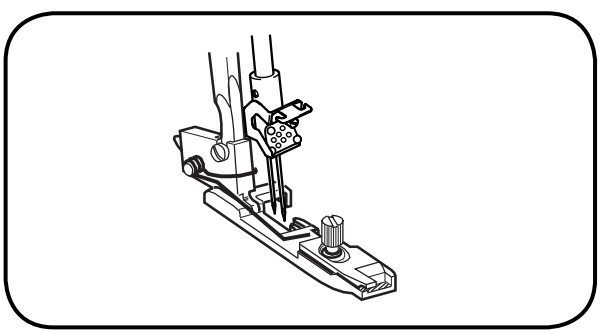
This foot guides your elastic and stretches the elastic with the tension control screw on the foot while sewing.



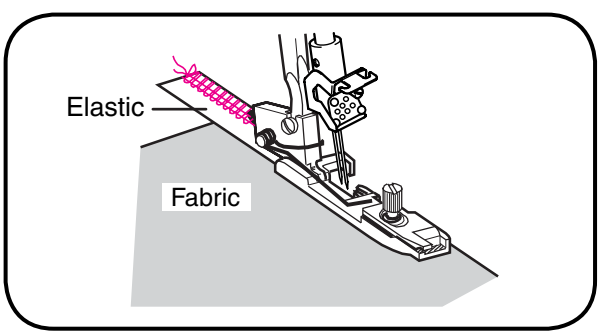
1. Replace regular foot with elastic foot.
2. Set stitch length to 4 or 5 and stitch width to 4.5 for 4-thread overlock.



3. Raise the elastic foot, loosen Tension Control Screw on the elastic foot to open mouth of foot and insert elastic into it until it reaches behind foot.



4. Lower the elastic foot and sew on elastic just a few stitches to check if the elastic is being properly sewn. Tighten screw to stretch elastic.
   Turn right to tighten and left to loosen.

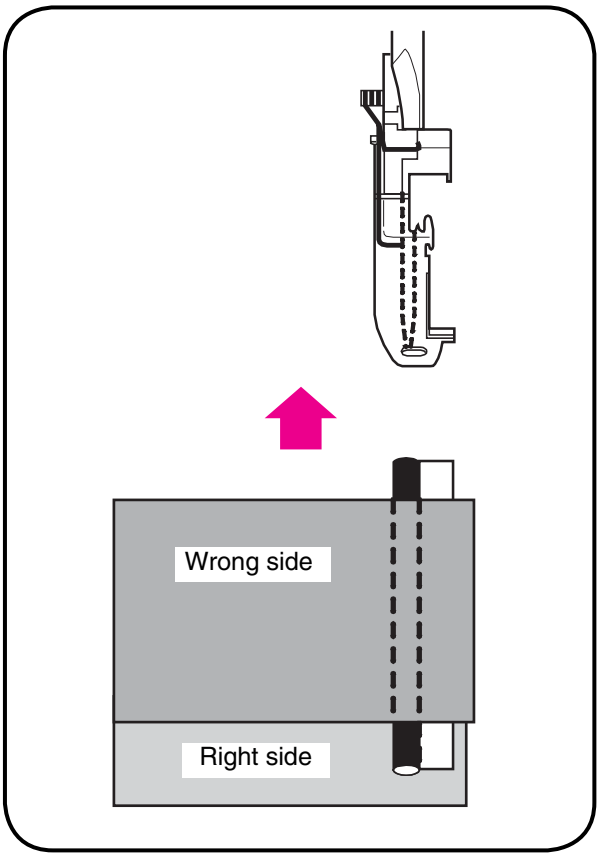


5. Place the fabric under the foot and sew together with elastic.
6. Check the stitch formation and if necessary, adjust the stretch of the elastic by tightening or loosening screw on foot.

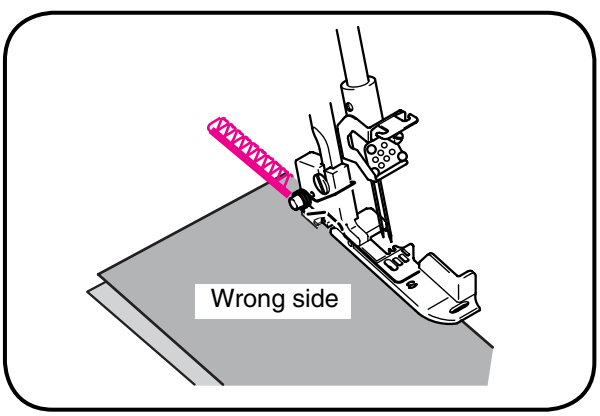
Piping Foot (Option)
(Part number : 2141002-408 [Large]
2141012-408 [Small])
(Part number, for USA only :
5.5mm-141 000596
3.0mm-141 000597)

Your **Huskylock** has two optional piping feet. One for standard size piping and wider grooved foot for large decorator piping. The sewing technique for both is the same.

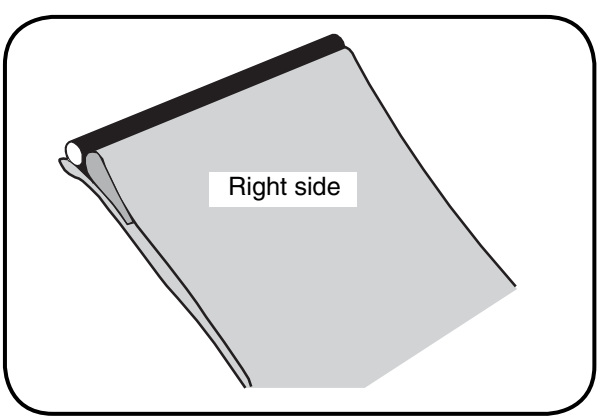
1. Replace regular foot with piping foot.
2. Place piping with its welted edge opposite to seam line between fabric with right sides together.
3. Place your fabric under the foot, making sure the welted part of the piping is being fitted into the groove engraved on the underside of presser foot.

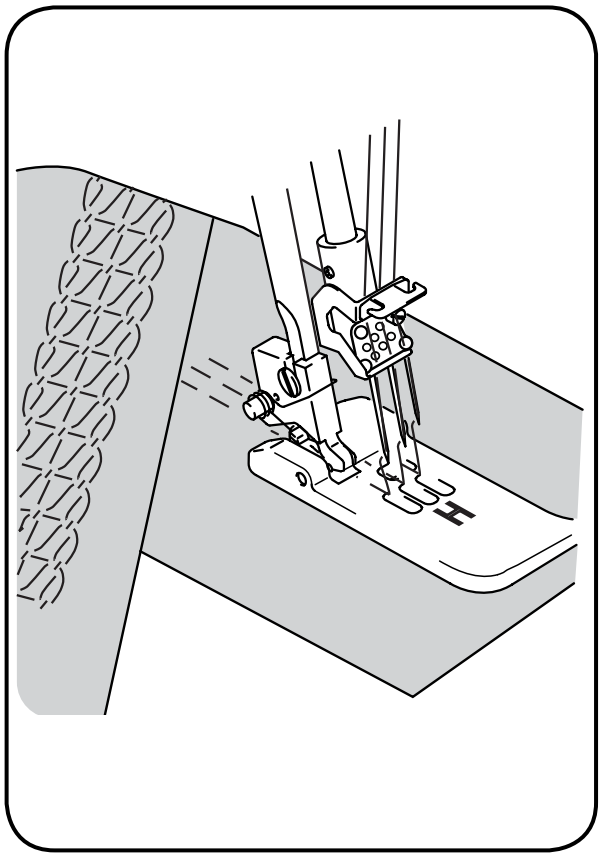


4. Sew the piping extending beyond fabric for a few stitches to confirm if the fabric with piping is properly fed. Then sew it with fabric.



5. After sewing, open fabrics.





Clear Foot (Option)
(Part number : 2154002-701)
(Part number, for USA only : 411 000098)

Clear foot is optionally designed for cover stitch. It can be used like presser foot (C). (Page 40) As it is transparent the stitches under foot are easily visible.

Cording and Piping (Cording) (Option)

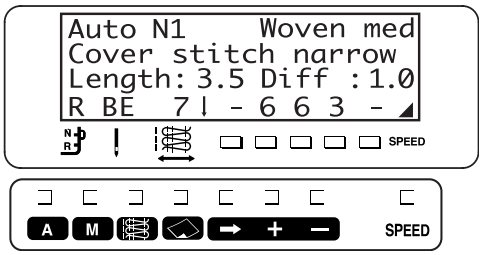
(Included in optional Huskylock 936 Cover Stitch Kit, Part number: 412 6716-01)

Cording

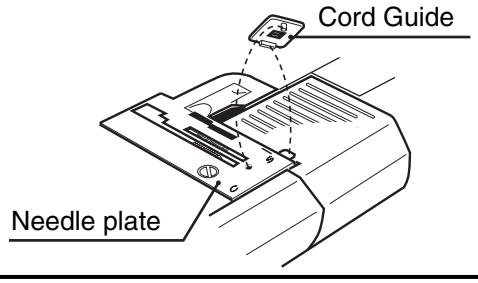
1. Press the stitch selection button until “Auto N” “Cover stitch narrow” appears. (Illus. A)
2. Press the fabric selection button until appropriate fabric type appears.
   Note: Use needle B & E.
3. Raise the presser foot and snap on Cording and Piping foot.
4. Snap cord guide into hole on front of needle plate.
5. Insert cord into the hole of the cord guide, then traverse through groove of the cording and piping foot.
   Note: 1/8”-1/4” (1.5~2.0 mm) cord can be used.
6. Pull the cord tail about 2” (5 cm) behind the foot. (Illus. C)
7. Insert fabric between the foot and cord. Slide fabric under foot and up to needles. (Illus. D)
8. Lower presser foot and sew.
   Note: Hold cord behind foot when beginning to sew.
9. Shirring with elastic cord: Thread elastic cord through cord guide and under foot, same as for cording. Slide fabric between elastic cord and fabric, up to needles. Sew over elastic cord. Pull both ends of elastic to draw up. (Illus. E)

Stitch selection

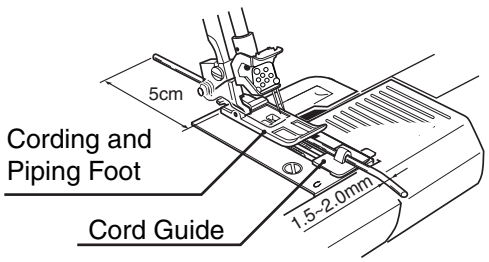
A



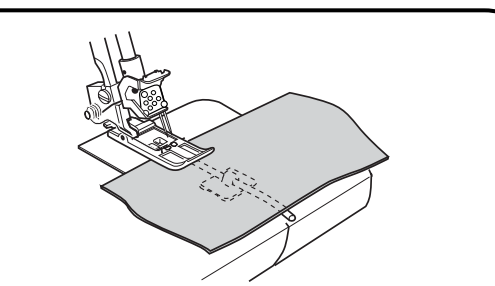
B



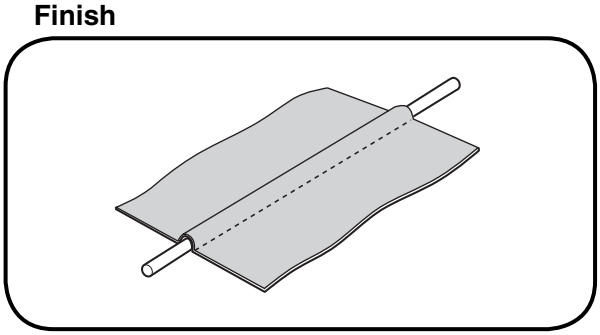
C



D

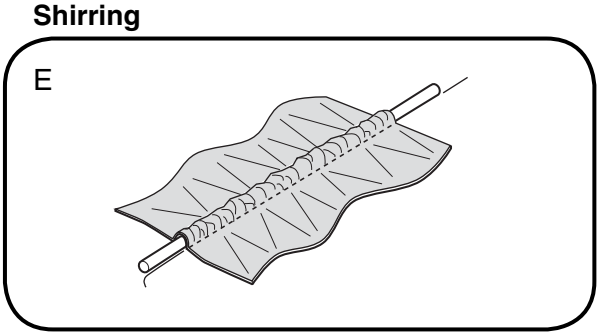


Finish



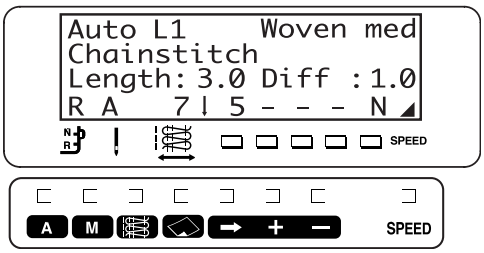
Shirring

E

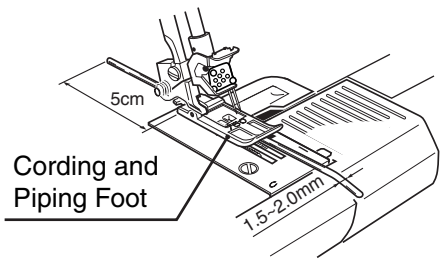


Stitch selection

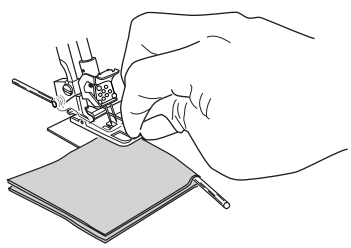
A



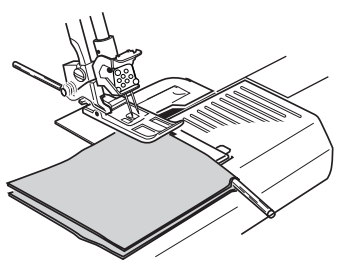
B



C



D



Cording and Piping (Piping) (Option)

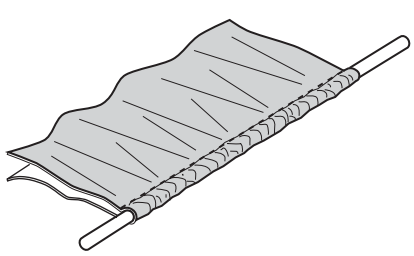
(Included in optional Huskylock 936 Cover Stitch Kit, Part number: 412 6716-01)

Piping

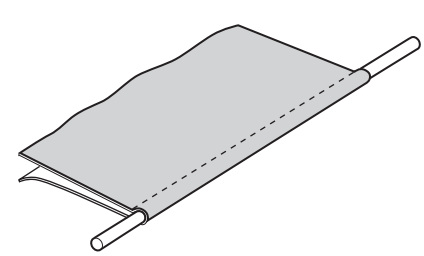
1. Press the stitch selection button until “Auto L” “Chainstitch” appears. (Illus. A)
2. Press the fabric selection button until appropriate fabric type appears.
   Note: Although Sewing Advisor recommends needle A, use needle B.
3. Raise presser foot and snap on Cording and Piping foot.
   Note: The cord guide is not used for this technique.
4. Insert cording through the groove on cording and piping foot (Illus. B). Pull cord tail behind foot about 2” (5 cm).
   Note: 1/8”-1/4” (1~2.0 mm) cord can be used.
5. Wrap fabric around cording in front of foot (Illus. C). Slide fabric under front of foot (Illus. D)
6. Lower presser foot and sew over cord and fabric.
   Note: Hold cord behind foot when beginning to sew.
7. When shirring is desired, use elastic cord. Pull both ends of elastic cord after sewing to gather fabric (Illus. E)
   Note: Pulling on elastic while sewing may cause needle breakage.

Shirring

E



Finish



Bias Tape Binding Foot (Option)

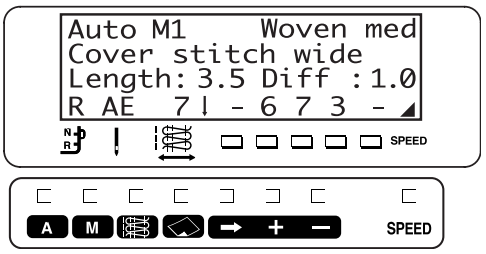
(Included in optional Huskylock 936 Cover Stitch Kit, Part number: 412 6716-01)

Bias Tape Folder Foot

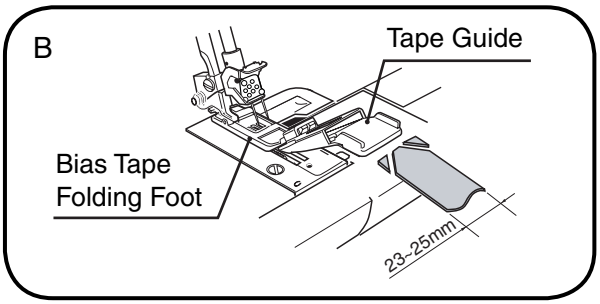
1. Press the stitch selection button until “Auto M” “Cover stitch wide” appears. (Illus. A)
2. Press the fabric selection button until appropriate fabric type appears.
   Note: Use needle A & E.
3. Raise the presser foot and snap on Bias Tape Folder foot.
4. Trim off the two top corners. (Illus. B)
   Note: 1” (23~25 mm) width tape can be used.
5. Insert the tape into tape guide. Use tweezers to feed tape through slot on front of foot. Extend tail of tape 2” (5 cm) behind foot. (Illus. C)
6. Lower presser foot and sew on bias tape only to test stitch (Illus. D).
7. Raise presser foot and slide fabric under foot to needles.
8. Top stitch folded bias tape onto fabric with cover stitch.
9. Sew belt loops without fabric underneath. (Illus. E)

Stitch selection

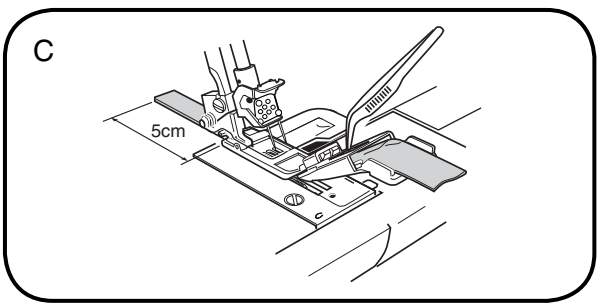
A



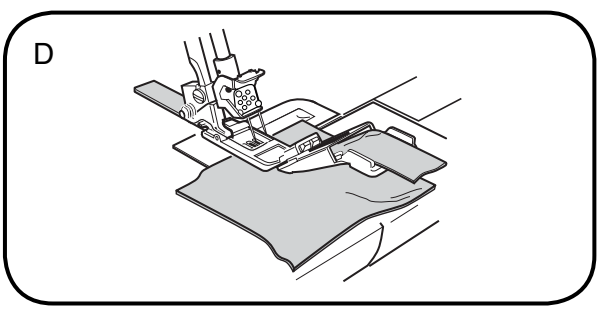
B



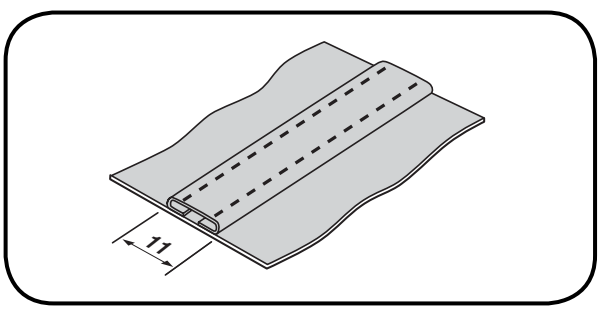
C



D

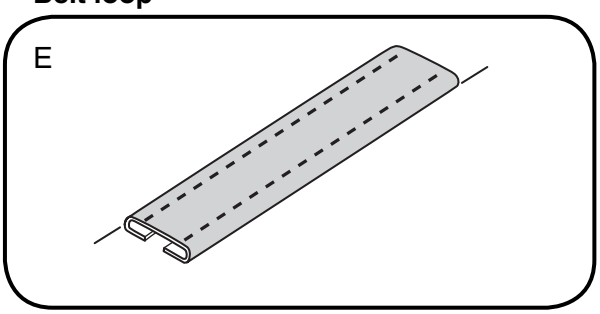


Finish



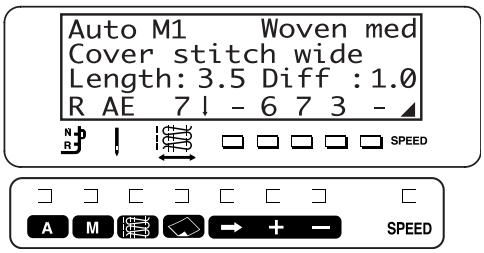
Belt loop

E

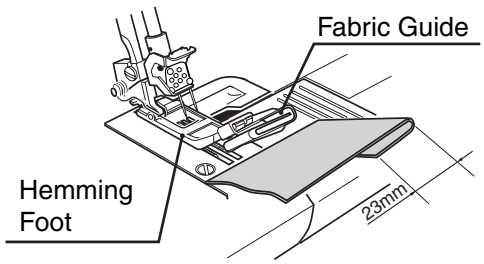


Stitch selection

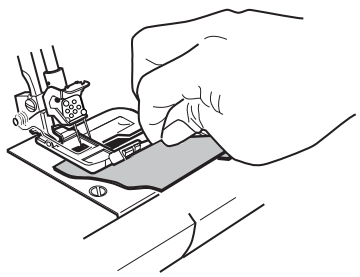
A



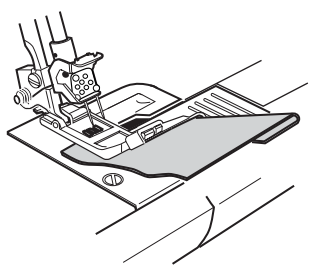
B



C



D



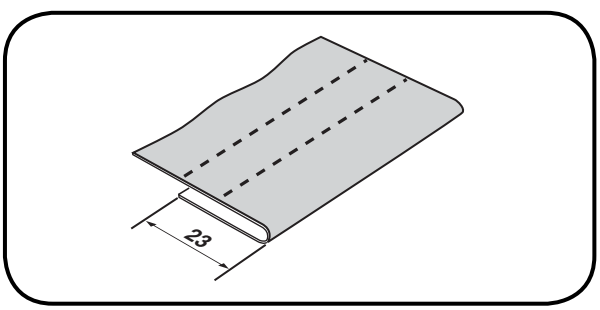
Hemming Foot (Option)

(Included in optional Huskylock 936 Cover Stitch Kit, Part number: 412 6716-01)

Hemming Foot

1. Press the stitch selection button until “Auto M” “Cover stitch wide” appears. (Illus. A)
2. Press the fabric selection button until appropriate fabric type appears.
   Note: Use needle A & E.
3. Raise the presser foot and snap on Hemming foot.
4. Fold the fabric at the position of 1” (23 mm) from the edge. (Illus. B)
5. Insert the fabric into fabric guide with the folded side down. (Illus. C)
6. Slide fabric under foot to needles. (Illus. D)
7. Lower presser foot and sew.

Finish



Bias Tape Binding Foot (Option)

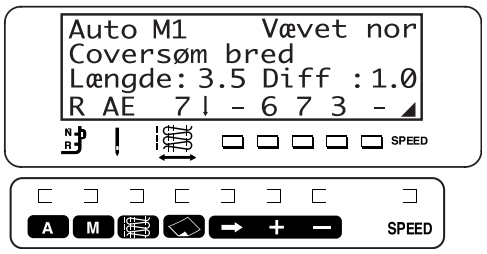
(Included in optional Huskylock 936 Cover Stitch Kit, Part number: 412 6716-01)

Bias Tape Binding Foot

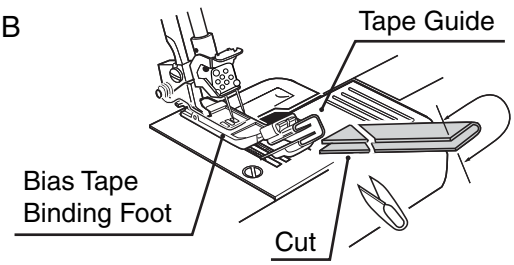
1. Press the stitch selection button until “Auto M” “Cover stitch wide” appears. (Illus. A)
2. Press the fabric selection button until appropriate fabric type appears.
   Note: Use needle A & E.
3. Raise the presser foot and snap on Bias Tape Binding foot.
4. Trim off the two top corners. (Illus. B)
   Note: 1”-11/4” (25-28 mm) width tape can be used.
5. Insert the tape into tape guide. Use tweezers to feed the tape through slot on front of foot.
6. Extend tail of bias tape 2” (5 cm) behind foot. (Illus. C)
7. Lower presser foot and sew bias tape only to test stitch.
8. Raise presser foot and insert fabric from the left side of tape guide until edge of fabric lays against pressed edge of bias tape. (Illus. D)
9. Lower presser foot and sew bias tape along edge of fabric.
   Hint: Hold tail of bias tape at back of foot to guide until fabric is under needles.

Stitch selection

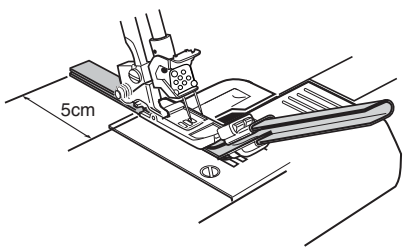
A



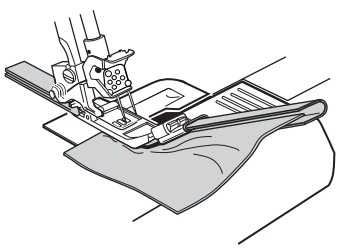
B



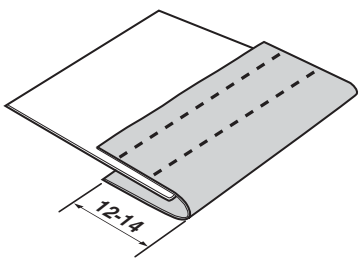
C

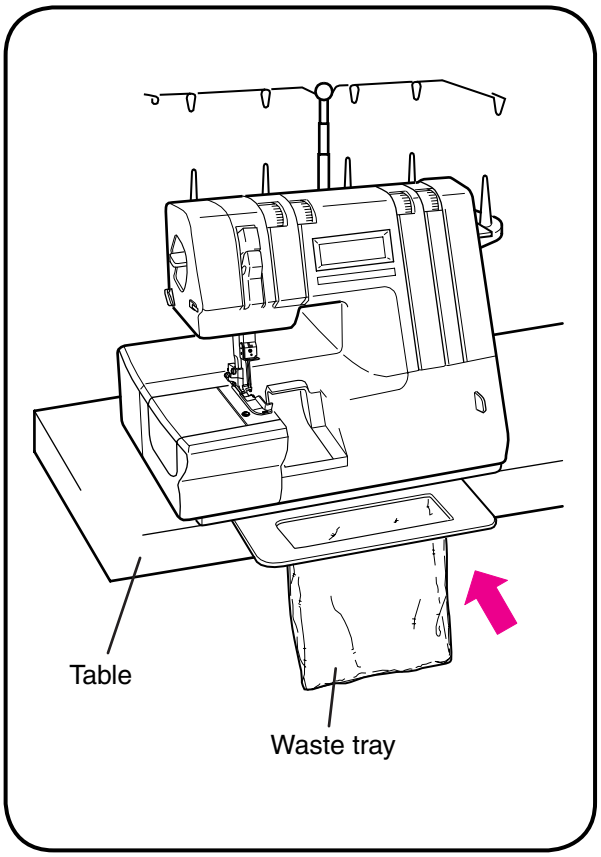


D



Finish





10-2. Waste tray

1. Place waste tray at the edge of table so the net bag hangs tray as shown.
2. Set Huskylock onto waste tray as shown, so trim falls into net bag. Be careful not to extend machine off edge of table.

11. NOTE

Memory No.	Date	Note

Memory No.	Date	Note

Memory No.	Date	Note

Memory No.	Date	Note

12. INDEX

Accessories 2
  Optional ..... 58~66
Accessory Box 4
Automatic Mode ..... 9~12
Bias Tape Feet (Optional) 64, 66
Chaining off 26
Chain Stitch 38~39
Cleaning 50
Connection 4
Cording 27, 62
Cover Stitch ..... 40~48
Cursor button 9
Curves 28
Cutters
  Cutting width 22
  Disengaging 8
  Replacing 50
Decorative Threads 27
Differential Feed ..... 23~24
Display Functions 9
Elastic Foot (Optional) 59
Fabric Selection Key 9, 12
  Fabric Types ..... 51~55
Feed Fabric 55
Feed Teeth 23~24
Flatlock 35
Four Thread
  Sewing ..... 25~28
  Threading ..... 16~18
Five Thread
  Sewing 39
  Threading ..... 37~38
Free Arm 8
Front Cover 3
Gathering Foot (Optional) 58
Handwheel 3
Hemming Foot (Optional) 65
Irregular Stitches 56
Language Selection 11
LCD Data 9~15
Light Bulb 49
  Changing 49
Lubrication 9, 12~13
Material Types 51
Memory Mode ..... 9, 11~15
  Delete 14
  Note pages ..... 68~71
  Programming 13
  Retrieve program 14
Multipurpose Foot ..... 35~36
Needles
  Breakage 56
  Replacing 6
  Threading 18
  Size and type 37, 55, 57
Needle threader 6, 18
Oiling 50
Optional Accessories ..... 58~66
Pearl Foot (Optional) 58
Pin Tucks 36
Piping Feet (Optional) ..... 60, 62~63
Power Switch 4
Preparation 3
Presser Foot / Feet
  Changing 3
  Lift 8
  Optional ..... 58~66
  Pressure 19
Problem Solving 56
Programming 13
Puckering 56
Rolled Edge 33~34
Sewing Advisor ..... 9~14
Skipped Stitches 56
Specifications 57
Speed Adjustment 5
Spool Holders 7
Stitch Finger 8
  Position 9
  Rolled Edge 33
Stitch Length 23, 51, 55
Stitch Selection Key 9, 11
Stitch Width 22, 51, 55
Tensions 19, 51
  Balanced 20
  Lower Looper 21
  Needles 21
  Two Thread 32
  Upper Looper 20
Thread Breakage 56
Thread Nets 7
Thread Stand 5
Threading
  Changing 7
  Chain Stitch ..... 37~38
  Cover Stitch ..... 44~46
  Needles 18
  Loopers ..... 16~17
  Five Thread ..... 37~38
  Four Thread ..... 16~18
  Lower Looper 17
  Three Thread ..... 16~18
  Two Thread ..... 17~18
  Upper Looper 16
Three Thread Overlock 29, 34
  Rolled Edge 33
  Threading ..... 16~18
Trouble Shooting 56
Two Thread Overlock ..... 31~34
  Rolled Edge ..... 33~34
  Threading 32
Waste Tray 67

We reserve the right to change the machine equipment and the assortment of accessories without prior notice, or make modifications to the performance or design. Such modifications, however, will always be to the benefit of the user and the product.

Intellectual property

HUSQVARNA, VIKING, the "Crowned H-mark", KEEPING THE WORLD SEWING & Design, HUSKYLOCK and SEWING ADVISOR are registered trademarks or trademarks of VSM Group AB or its licensor.

VSM Group AB • SE-561 84 Huskvarna, Sweden
www.husqvarnaviking.com

412 85 76-26B • © 2004 -2008 VSM Group AB • All rights reserved • Printed in Taiwan on enviromental friendly paper